

# PERINATAL INDICATORS

Los Angeles County

# 1996

Complete Set of All Tables,  
Charts and Graphs Presenting Perinatal  
Information for the California MCAH  
**F**amily **H**ealth **O**utcomes **P**roject (**FHOP**)

Unless otherwise cited, data provided by:  
California Department of Health Services, Center for Health Statistics  
Office of Statewide Health Planning and Development

©July 1, 1998

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# **Distribution of Live Births**



## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Birth rate

**DEFINITION:** The number of live births per 1,000 total population

**NUMERATOR:** The number of live births, by place of residence

**DENOMINATOR:** The total population, by place of residence

**YEAR 2000 OBJECTIVE:**

None

**RISK FACTORS:** Not applicable

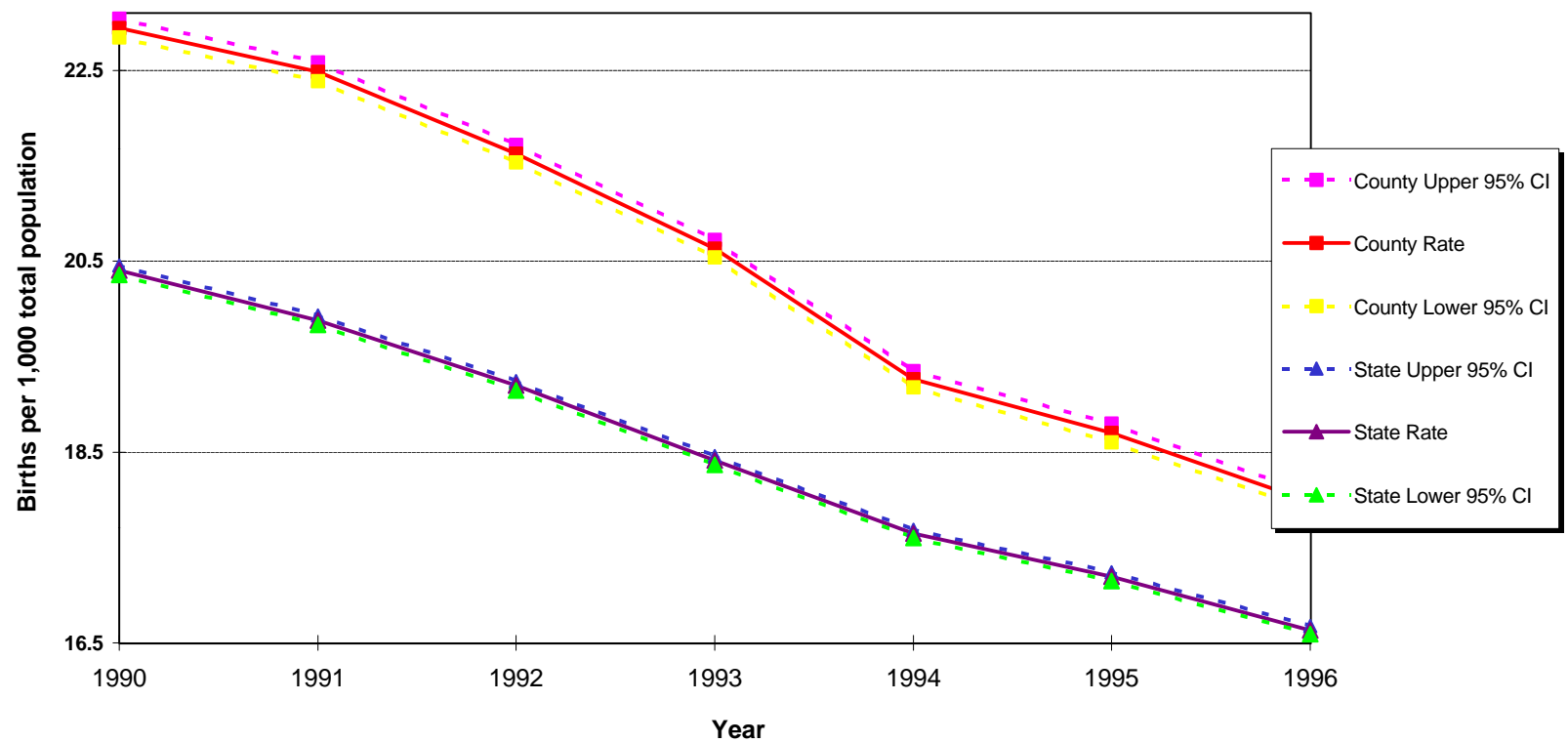
	California				Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
Total Births	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	611,666	20.4	20.4	20.5	204,124	22.9	22.8	23.0
1991	609,228	19.9	19.8	19.9	202,737	22.5	22.4	22.6
1992	600,838	19.2	19.1	19.2	197,415	21.6	21.5	21.7
1993	584,483	18.4	18.4	18.5	189,706	20.6	20.5	20.7
1994	567,034	17.6	17.6	17.7	180,394	19.3	19.2	19.4
1995	551,226	17.2	17.1	17.2	174,862	18.7	18.6	18.8
1996	538,628	16.6	16.6	16.7	168,973	18.0	17.9	18.1

Denominator Total Population	
State	County
29,976,000	8,897,500
30,646,000	9,016,100
31,300,000	9,128,200
31,746,400	9,194,400
32,140,000	9,364,835
32,063,000	9,352,200
32,383,811	9,396,389

**Sources:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Denominator data: State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998

# **Birth Rate per 1,000 Total Population California vs. Los Angeles County, 1990 - 1996**



**Source:** 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
 Denominator data: State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Distribution of births by race/ethnicity, 1995

**DEFINITION:** The proportion of total live births for selected race/ethnic groups

**NUMERATOR:** Number of live births, by race/ethnicity, by place of residence, in a calendar year

**DENOMINATOR:** Total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**  
None

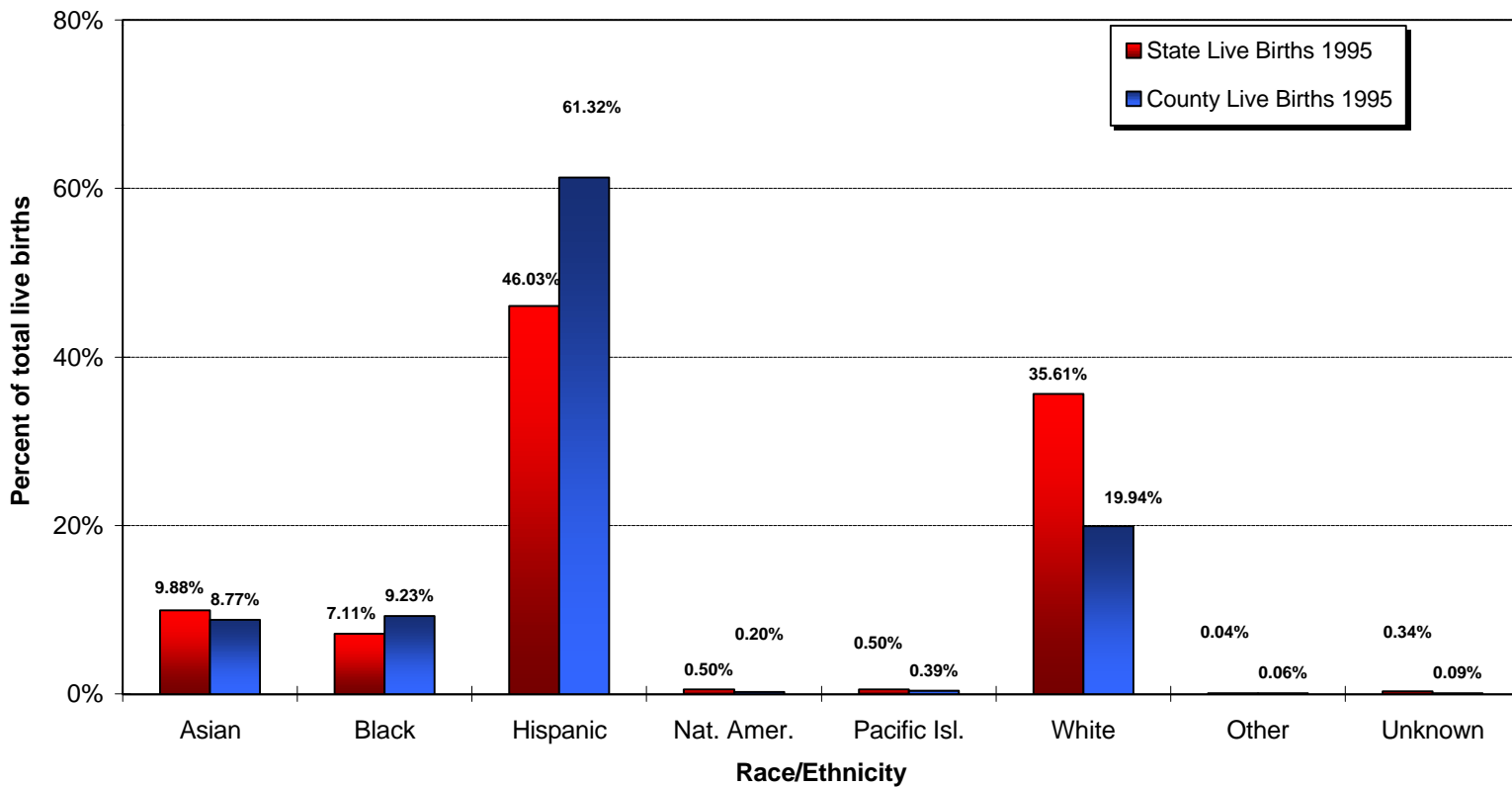
**RISK FACTORS:** Not applicable

	1995 California				1995 Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
Live Births 1995	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
<b>TOTAL</b>	551,226	100.00%	100.00%	100.00%	174,862	100.00%	100.00%	100.00%
Asian	54,475	9.88%	9.80%	9.96%	15,334	8.77%	8.64%	8.90%
Black	39,166	7.11%	7.04%	7.17%	16,148	9.23%	9.10%	9.37%
Hispanic	253,726	46.03%	45.90%	46.16%	107,228	61.32%	61.09%	61.55%
Native Am.	2,735	0.50%	0.48%	0.51%	341	0.20%	0.17%	0.22%
Pacific Isl.	2,763	0.50%	0.48%	0.52%	685	0.39%	0.36%	0.42%
White	196,277	35.61%	35.48%	35.73%	34,872	19.94%	19.76%	20.13%
Other	235	0.04%	0.04%	0.05%	101	0.06%	0.05%	0.07%
Unknown	1,849	0.34%	0.32%	0.35%	153	0.09%	0.07%	0.10%

Live Births 1995	
DENOMINATOR: Total Births	
State	County
551,226	174,862
551,226	174,862
551,226	174,862
551,226	174,862
551,226	174,862
551,226	174,862
551,226	174,862
551,226	174,862
551,226	174,862

**Source:** 1995 birth records from California Department of Health Services, Health Data and Statistics Branch

**Percent of Live Births by Mother's Race/Ethnicity  
California vs. Los Angeles County, 1995**



**Source:** 1995 birth records from California Department of Health Services, Health Data and Statistics Branch

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Distribution of births by race/ethnicity, 1996

**DEFINITION:** The proportion of total live births for selected race/ethnic groups

**NUMERATOR:** Number of live births, by race/ethnicity, by place of residence, in a calendar year

**DENOMINATOR:** Total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**  
None

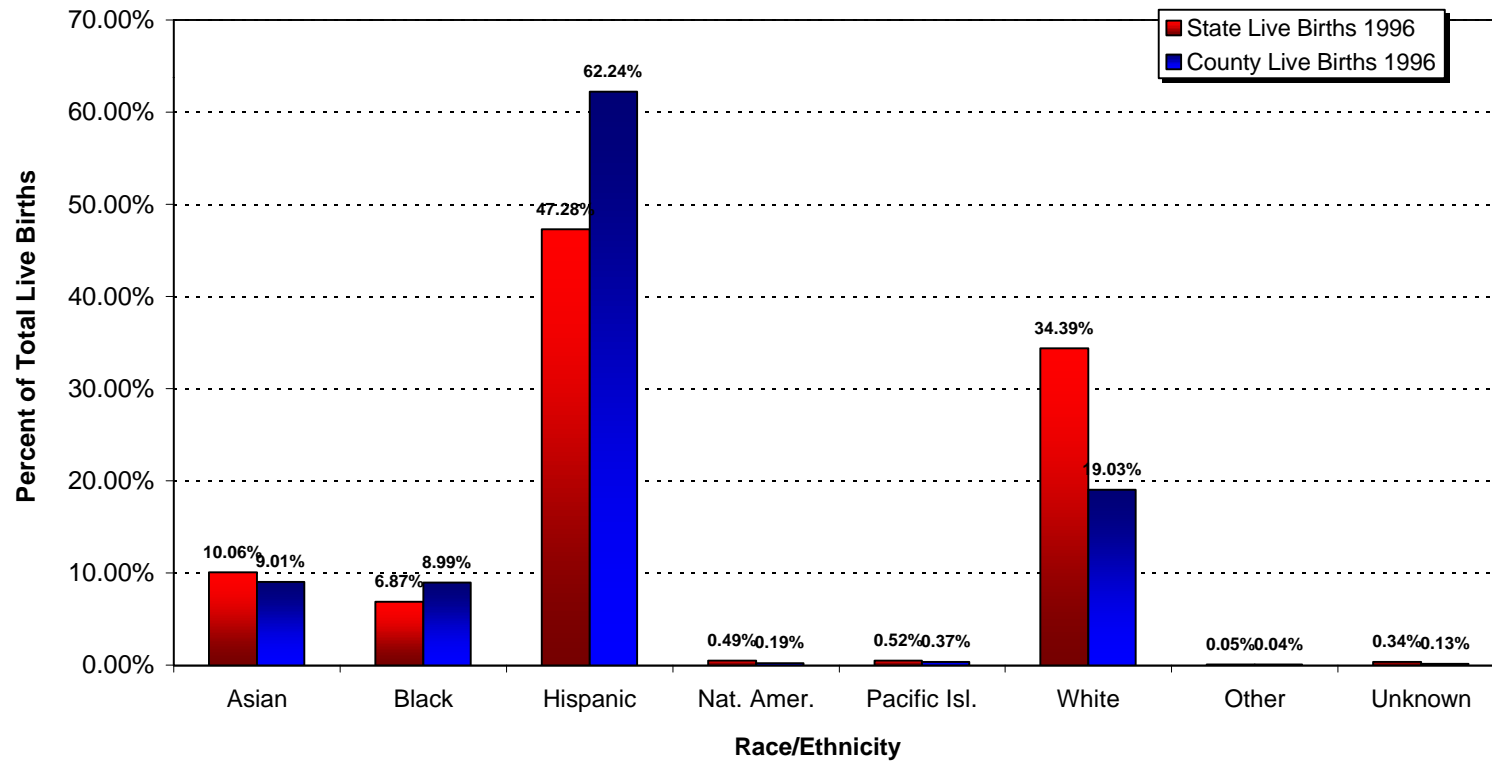
**RISK FACTORS:** Not applicable

	1996 California				1996 County			
			95% Confidence Interval				95% Confidence Interval	
Live Births 1996	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
<b>TOTAL</b>	538,628	100.00%	100.00%	100.00%	168,973	100.00%	100.00%	100.00%
Asian	54,164	10.06%	9.98%	10.14%	15,225	9.01%	8.87%	9.15%
Black	37,029	6.87%	6.81%	6.94%	15,184	8.99%	8.85%	9.12%
Hispanic	254,672	47.28%	47.15%	47.41%	105,175	62.24%	62.01%	62.47%
Native Am.	2,642	0.49%	0.47%	0.51%	313	0.19%	0.16%	0.21%
Pacific Isl.	2,778	0.52%	0.50%	0.53%	625	0.37%	0.34%	0.40%
White	185,255	34.39%	34.27%	34.52%	32,151	19.03%	18.84%	19.21%
Other	258	0.05%	0.04%	0.05%	75	0.04%	0.03%	0.05%
Unknown	1,830	0.34%	0.32%	0.36%	225	0.13%	0.12%	0.15%

Live Births 1996	
DENOMINATOR: Total Births	
State	County
538,628	168,973
538,628	168,973
538,628	168,973
538,628	168,973
538,628	168,973
538,628	168,973
538,628	168,973
538,628	168,973
538,628	168,973

**Source:** 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

# **Percent of Live Births by Mother's Race/Ethnicity California vs. Los Angeles County, 1996**



**Source:** 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Trends in distribution of births by race/ethnicity

**DEFINITION:** The percent of total live births for selected race/ethnic groups over time

**NUMERATOR:** Number of live births, by race/ethnicity, by place of residence, in a calendar year

**DENOMINATOR** Total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**

None

**RISK FACTORS** Not applicable

	California														
	Asian		Black		Hispanic		Native American		F/PI*		White		Other / Unknown		Total Births
Total Births	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#
1990	41,269	6.75%	48,137	7.87%	245,314	40.11%	2,632	0.43%	14,786	2.42%	256,555	41.94%	2,973	0.49%	611,666
1991	42,343	6.95%	46,780	7.68%	257,827	42.32%	2,643	0.43%	14,874	2.44%	242,562	39.81%	2,199	0.36%	609,228
1992	43,322	7.21%	45,514	7.58%	263,339	43.83%	2,681	0.45%	15,217	2.53%	228,431	38.02%	2,334	0.39%	600,838
1993	42,432	7.26%	43,861	7.50%	262,065	44.84%	2,747	0.47%	15,006	2.57%	215,885	36.94%	2,487	0.43%	584,483
1994	42,758	7.54%	41,481	7.32%	257,463	45.41%	2,694	0.48%	15,052	2.65%	204,756	36.11%	2,830	0.50%	567,034
1995	54,475	9.88%	39,166	7.11%	253,726	46.03%	2,735	0.50%	2,763	0.50%	196,277	35.61%	2,084	0.38%	551,226
1996	54,164	10.06%	37,029	6.87%	254,672	47.28%	2,642	0.49%	2,778	0.52%	185,255	34.39%	2,088	0.39%	538,628

**Sources:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

**Notes:** \* Filipino (1989-1994) or Pacific Islander (1995, 1996)

# **TITLE V INDICATOR TEMPLATES**

**INDICATOR: Trends in distribution of births by race/ethnicity (continued)**

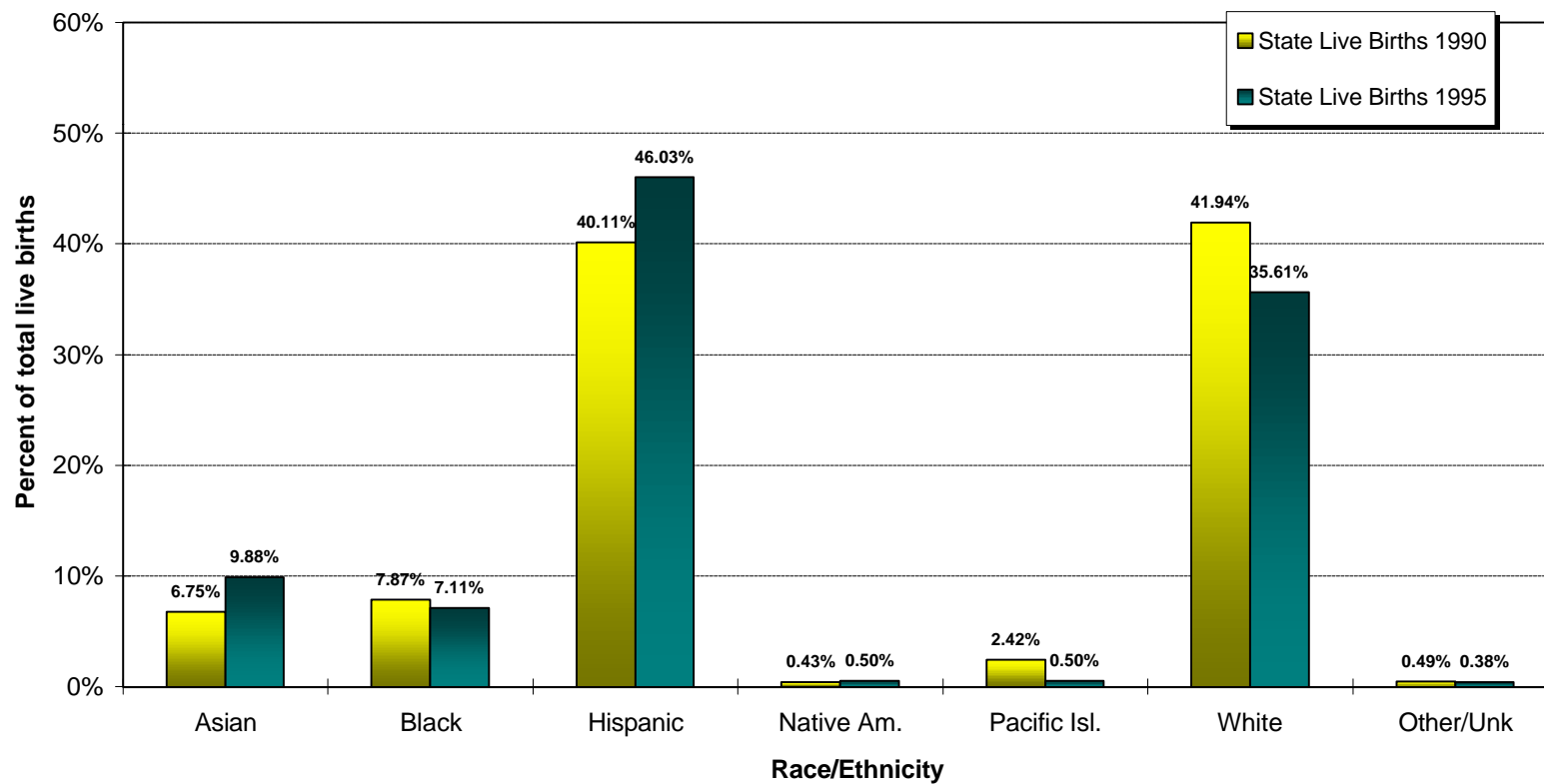
	Los Angeles County														
	Asian		Black		Hispanic		Native American		F/PI*		White		Other / Unknown**		Total Births
Total Births	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#
1990	12,701	6.22%	21,823	10.69%	113,786	55.74%	410	0.20%	4,408	2.16%	50,633	24.81%	363	0.18%	204,124
1991	12,657	6.24%	20,779	10.25%	117,432	57.92%	338	0.17%	4,456	2.20%	46,763	23.07%	312	0.15%	202,737
1992	12,938	6.55%	19,463	9.86%	116,592	59.06%	309	0.16%	4,370	2.21%	43,365	21.97%	378	0.19%	197,415
1993	12,300	6.48%	18,698	9.86%	113,451	59.80%	346	0.18%	4,296	2.26%	40,197	21.19%	418	0.22%	189,706
1994	12,127	6.72%	17,282	9.58%	109,242	60.56%	308	0.17%	4,208	2.33%	36,886	20.45%	341	0.19%	180,394
1995	15,334	8.77%	16,148	9.23%	107,228	61.32%	341	0.20%	685	0.39%	34,872	19.94%	254	0.15%	174,862
1996	15,225	9.01%	15,184	8.99%	105,175	62.24%	313	0.19%	625	0.37%	32,151	19.03%	300	0.18%	168,973

**Sources:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

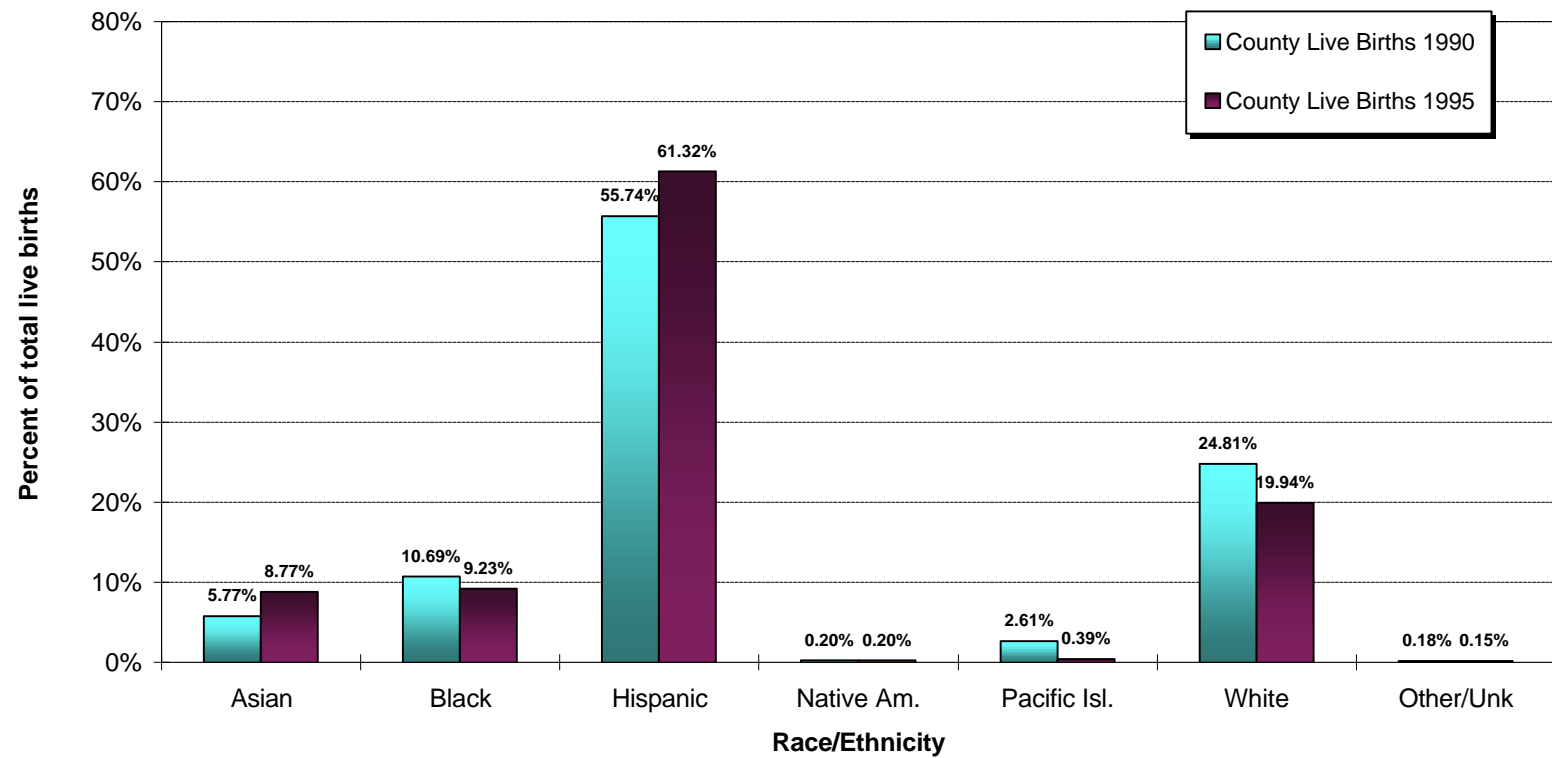
**Notes:** \* Filipino (1989-1994) or Pacific Islander (1995, 1996)



**Percent of Live Births by Mother's Race/Ethnicity  
State, 1990 vs. 1995**

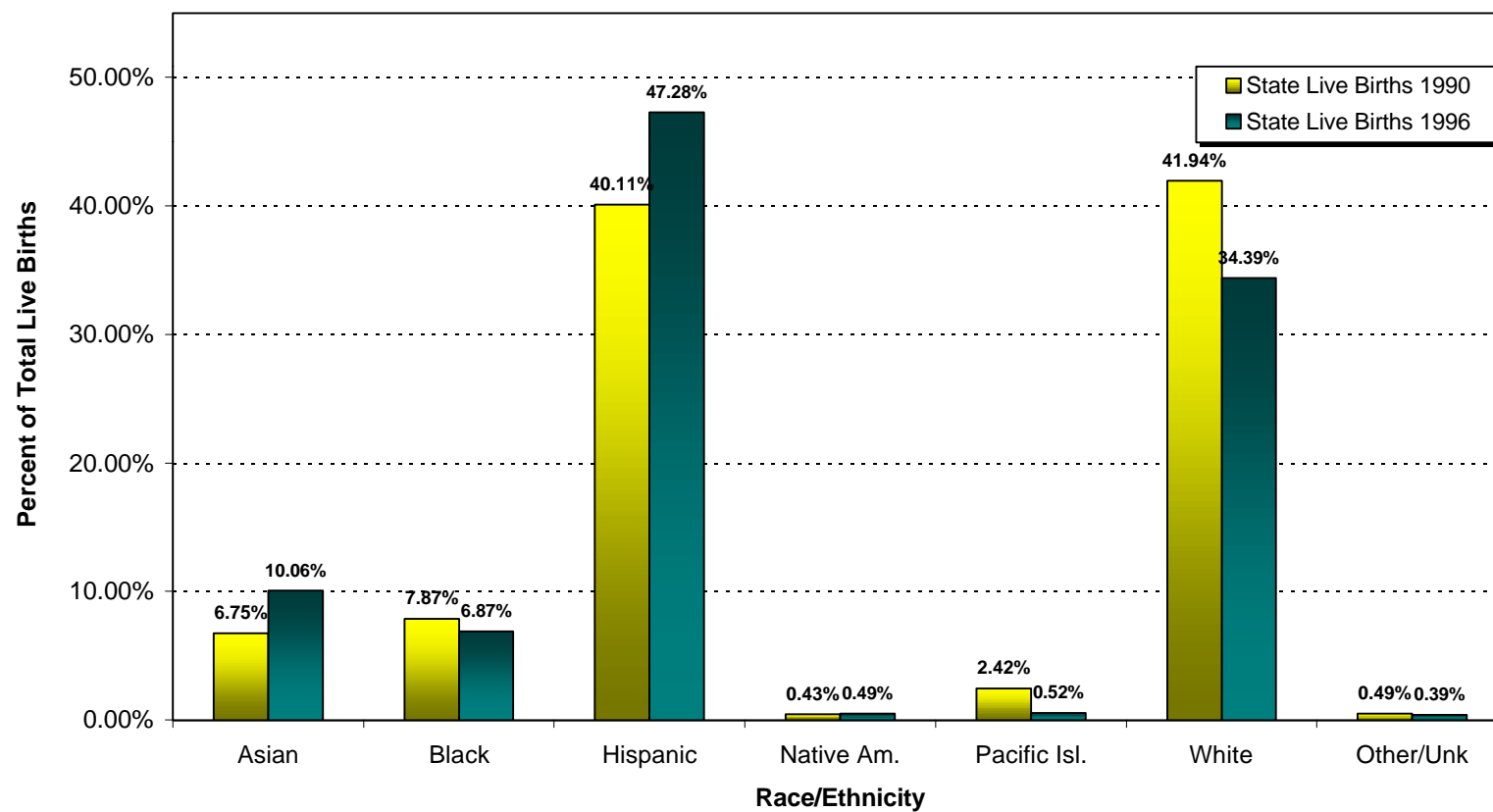


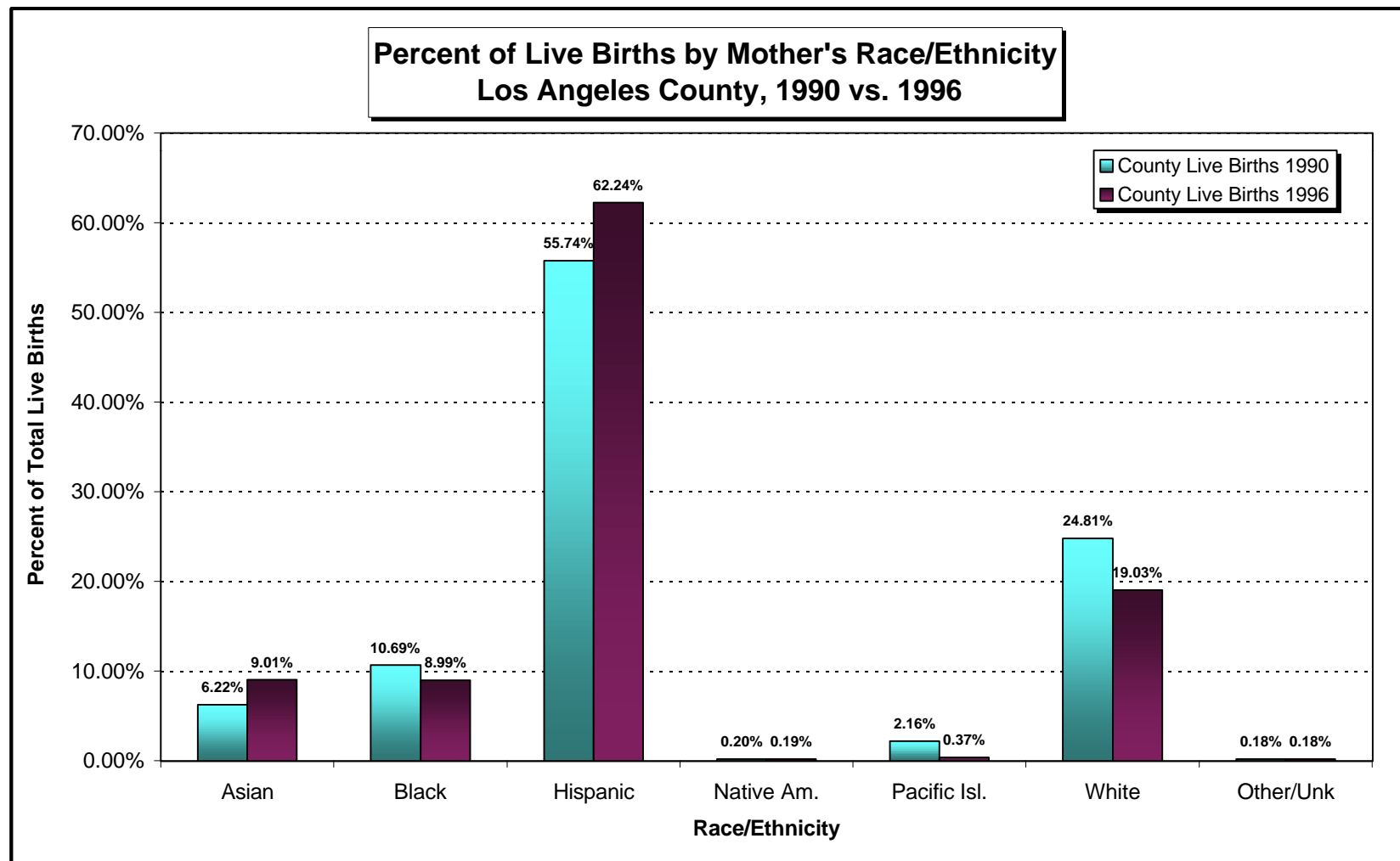
**Percent of Live Births by Mother's Race/Ethnicity  
Los Angeles County, 1990 vs. 1995**



**Sources:** 1990 and 1995 birth records from California Department of Health Services, Health Data and Statistics Branch

**Percent of Live Births by Mother's Race/Ethnicity  
State, 1990 vs. 1996**

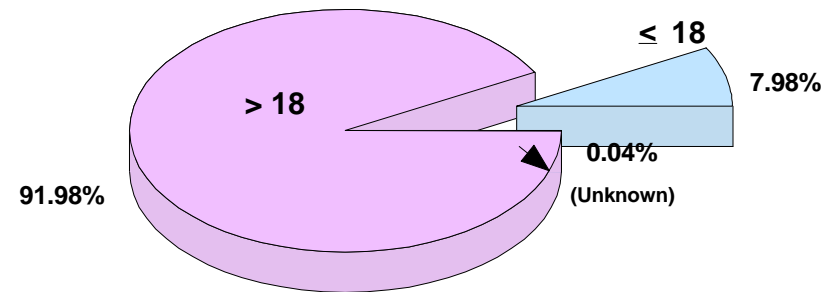




**Sources:** 1990 and 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

## Live Births by Mother's Age

Los Angeles County, 1996



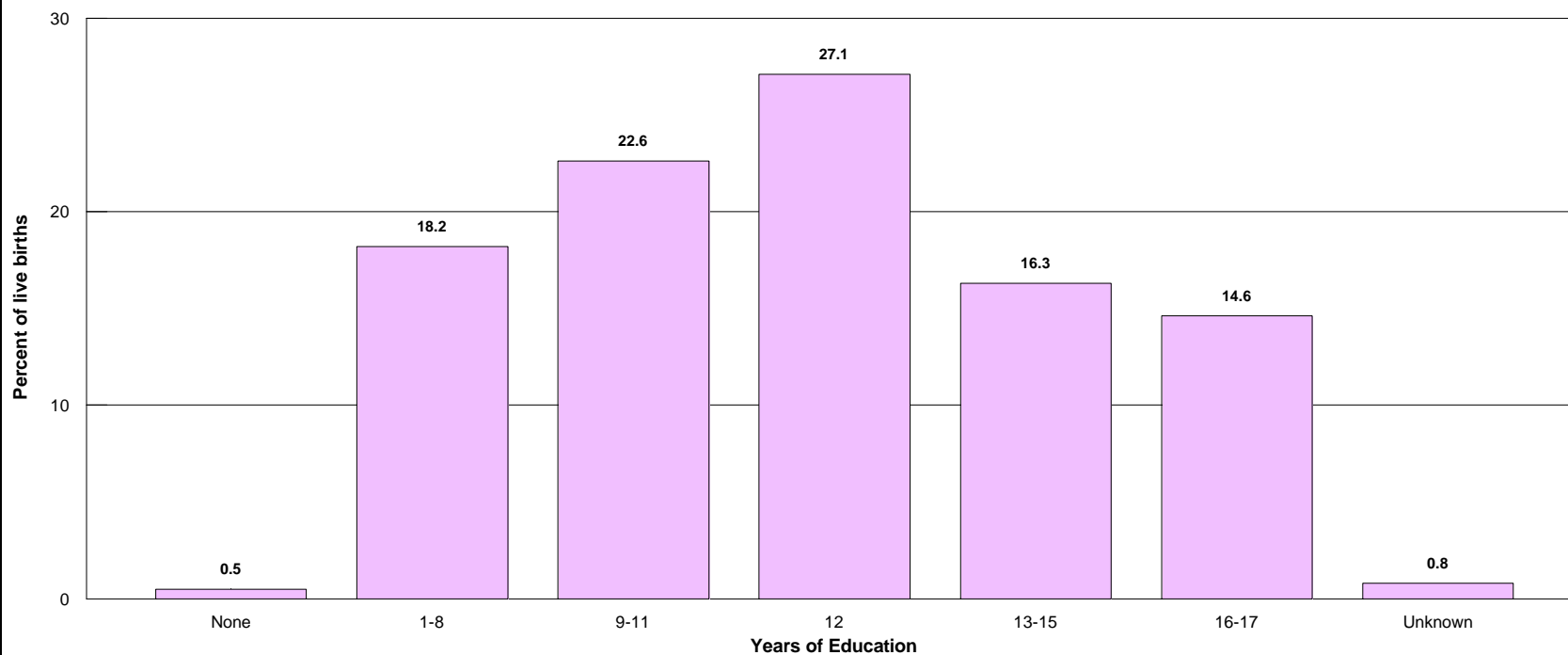
Mother's Age					
≤ 18		> 18		Unknown	
Number	Percent	Number	Percent	Number	Percent
13,492	7.98	155,423	91.98	58	0.04

Note: Total live births in Los Angeles County, 1996 = 168,973

Source: 1996 births record from the California Department of Health Services,  
Health Data and Statistics Branch

## Live Births by Mother's Years of Education

Los Angeles County, 1996



Years of Education													
None		1 - 8		9 - 11		12		13 - 15		16 - 17		Unknwon	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
834	0.5	30,738	18.2	38,180	22.6	45,722	27.1	27,497	16.3	24,709	14.6	1,293	0.8

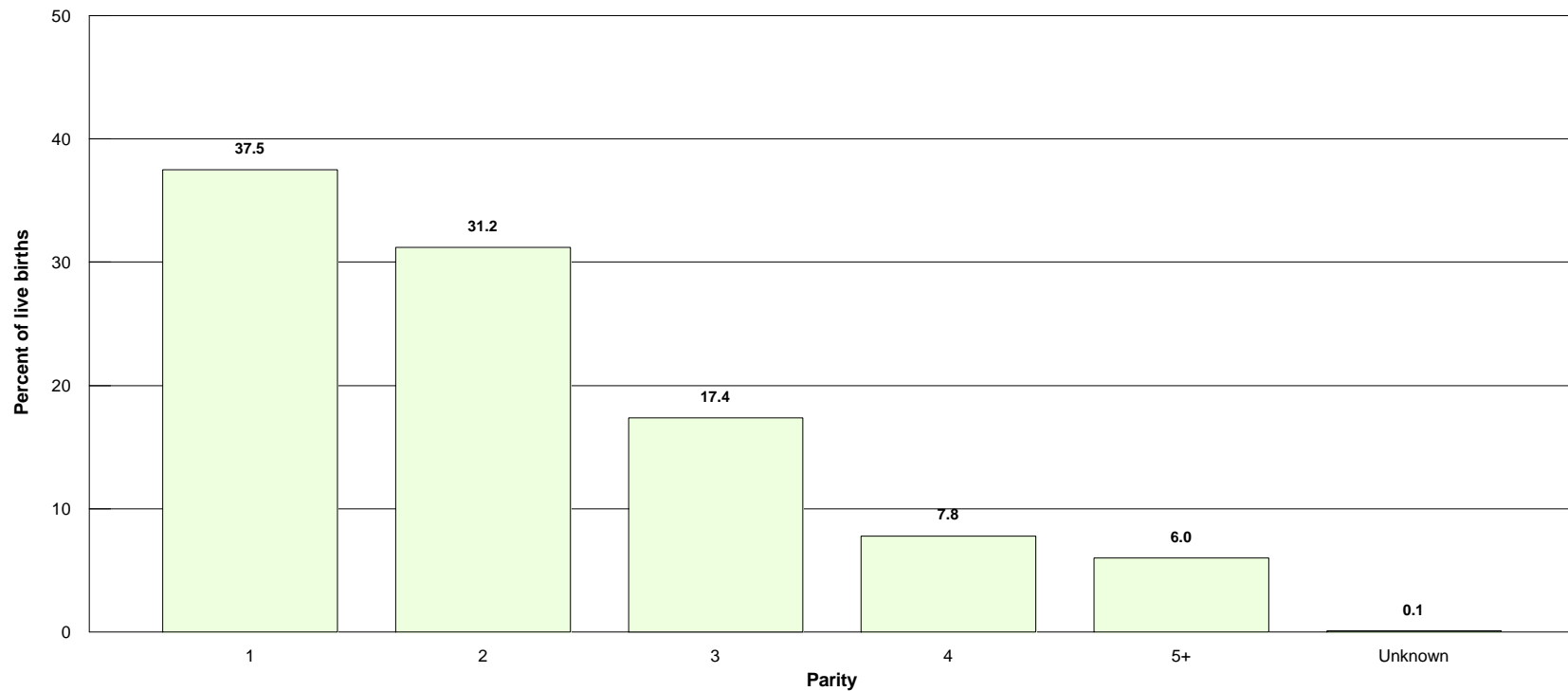
Note: Total live births in Los Angeles County, 1996 = 168,973

Year '17' = mothers who attained college degree or above

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Live Births by Parity

Los Angeles County, 1996

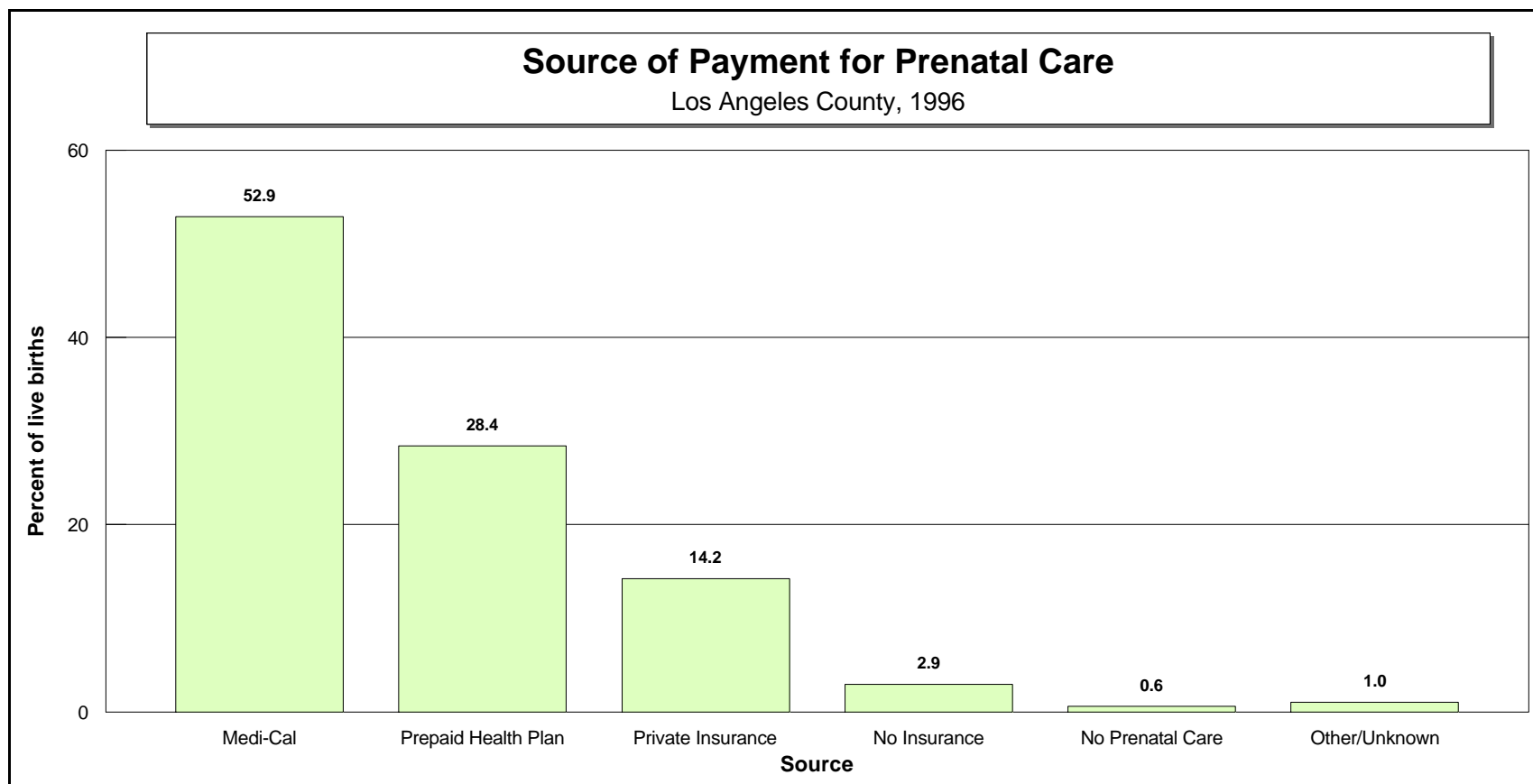


Parity											
1		2		3		4		5+		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
63,417	37.5	52,669	31.2	29,339	17.4	13,210	7.8	10,130	6.0	208	0.1

Note: Total live births in Los Angeles County, 1996 = 168,973

Parity = number of pregnancies resulting in live births

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



Source of Payment											
Medi-Cal		Prepaid Health Plan		Private Insurance		No Insurance		No Prenatal Care		Other/Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
89,425	52.9	47,906	28.4	24,065	14.2	4,943	2.9	1,019	0.6	1,615	1.0

Note: Total live births in Los Angeles County, 1996 = 168,973

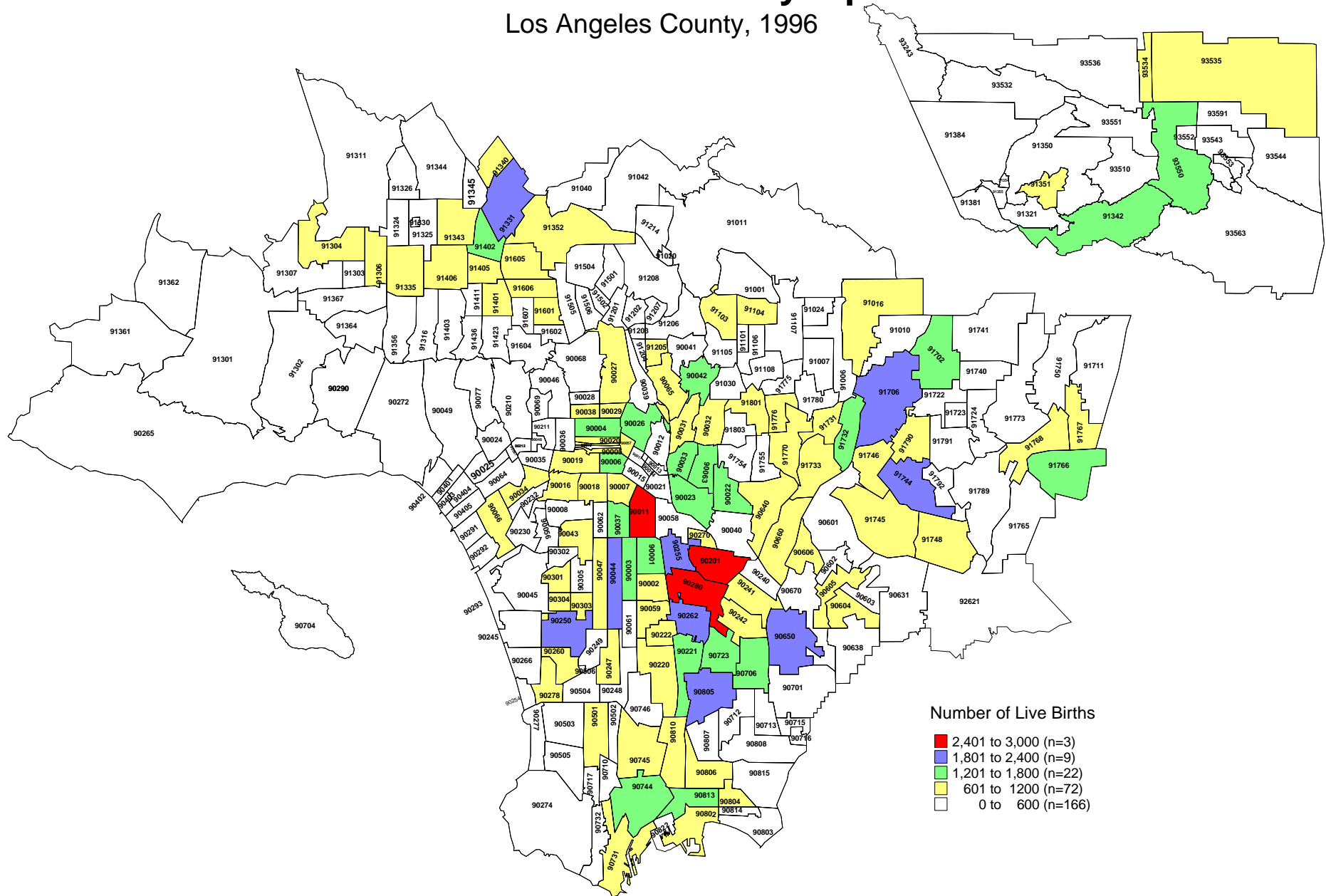
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



Los Angeles County - Department of Health Services

# Number of Live Births by Zip Code

Los Angeles County, 1996



Source:

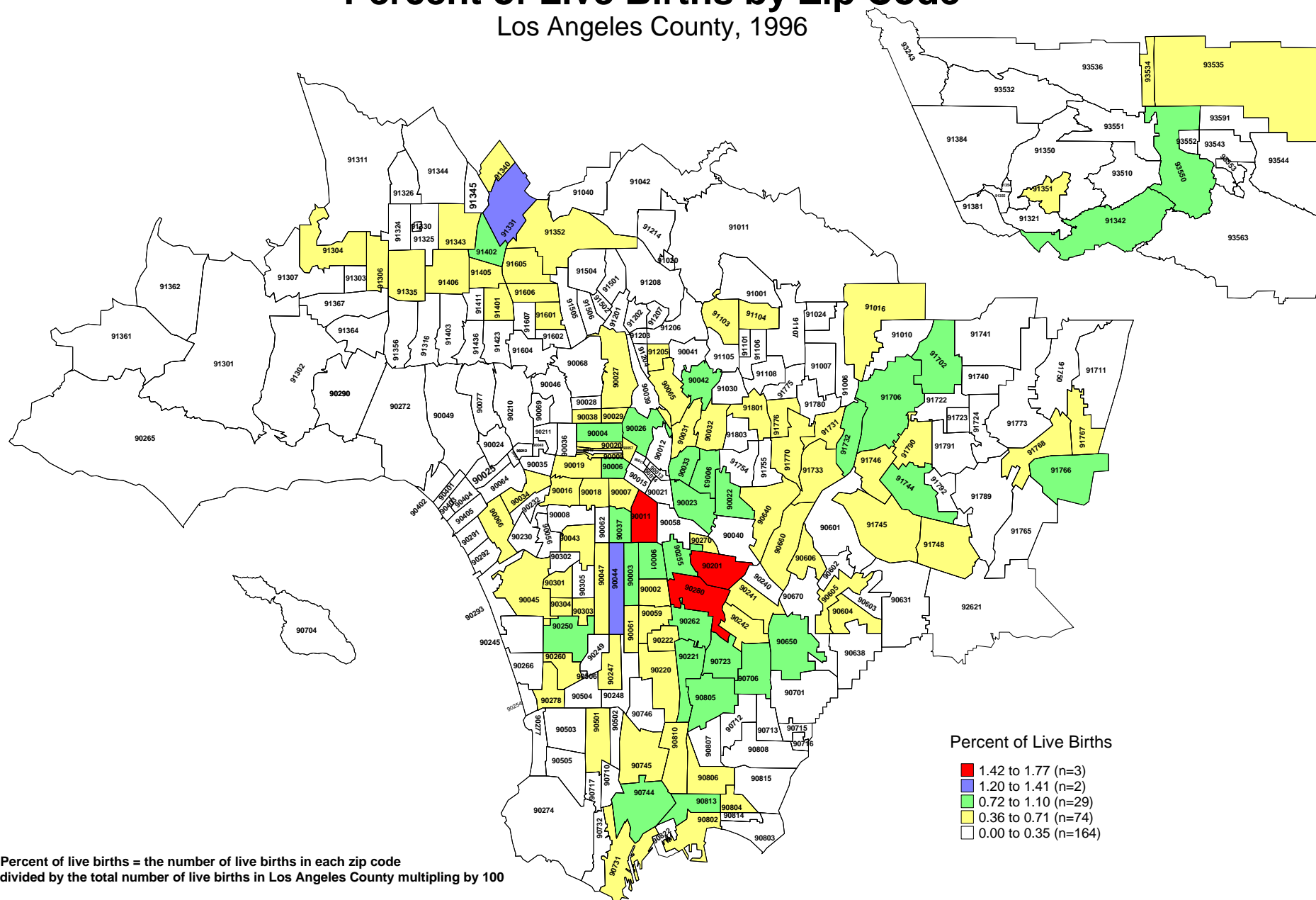
Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.

Los Angeles County - Department of Health Services

# Percent of Live Births by Zip Code

Los Angeles County, 1996



**Note:** Percent of live births = the number of live births in each zip code divided by the total number of live births in Los Angeles County multiplying by 100

**Source:**  
 Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
 Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
 Map is not drawn to scale.

**Low Birthweight**

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Low birthweight

**DEFINITION:** The percent of live born infants weighing less than 2500 grams at birth

**NUMERATOR:** The number of infants weighing less than 2500 grams at birth, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**

Reduce low birthweight to an incidence of no more than 5 percent of live births. (Baseline: 6.9 percent in 1987) (Objective 14.5)

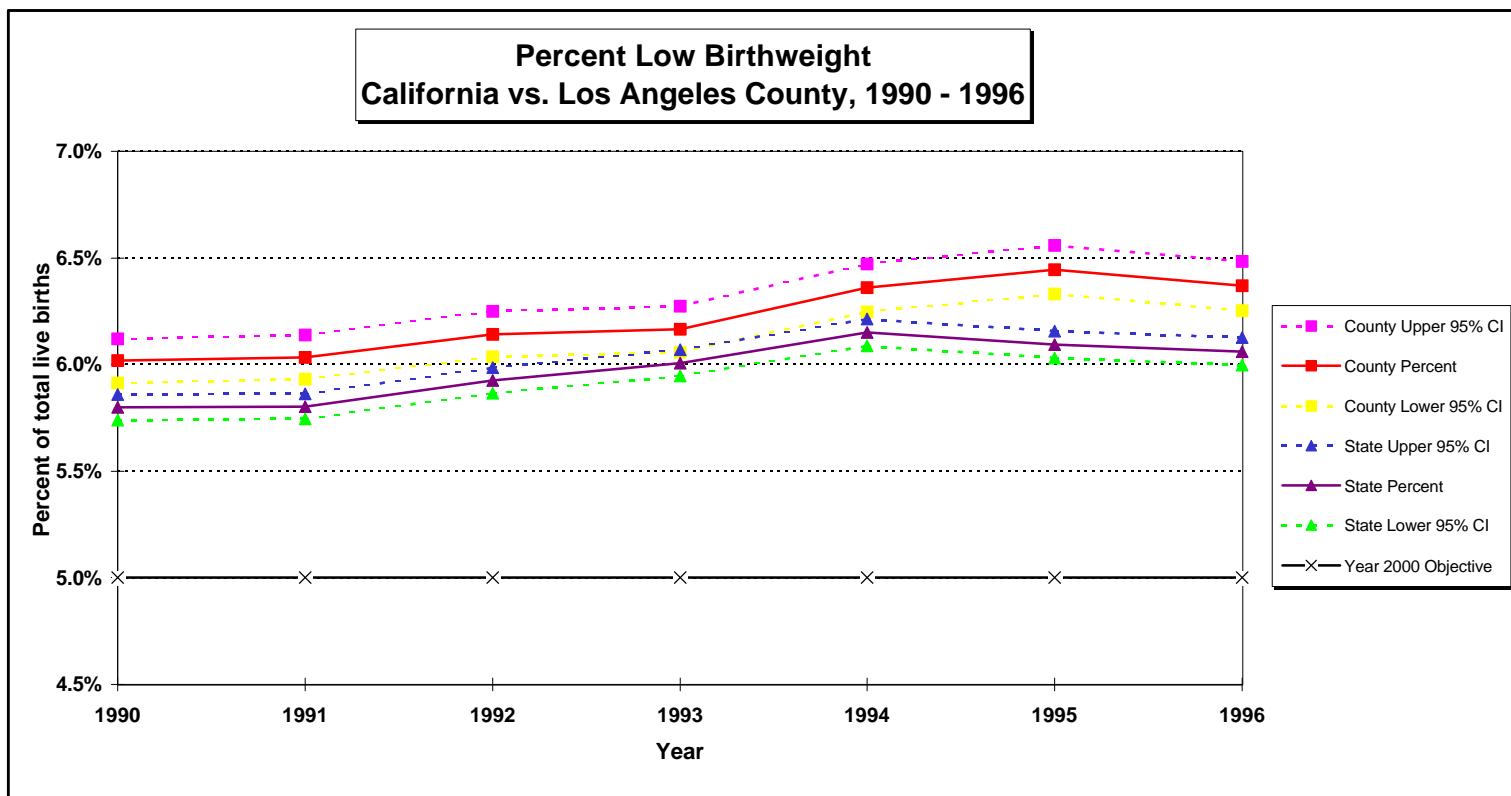
**RISK FACTORS:**

Young or old maternal age; low income; low maternal education level; race/ethnicity (Black, Puerto Rican, Southeast Asian); high parity; short interpregnancy interval; multiple gestation; unintended pregnancy; history of low birthweight; poor reproductive history; intrauterine growth retardation; preterm birth; prior preterm birth; late entry into prenatal care; lack of comprehensive prenatal care; low pre-pregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; placenta previa; premature rupture of the membrane; stress during pregnancy; strenuous exertion during pregnancy

	California				Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
Low Birthweight	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
1990	35,474	5.80%	5.74%	5.86%	12,283	6.02%	5.91%	6.12%
1991	35,359	5.80%	5.75%	5.86%	12,234	6.03%	5.93%	6.14%
1992	35,608	5.93%	5.87%	5.99%	12,127	6.14%	6.04%	6.25%
1993	35,116	6.01%	5.95%	6.07%	11,698	6.17%	6.06%	6.27%
1994	34,876	6.15%	6.09%	6.21%	11,474	6.36%	6.25%	6.47%
1995	33,588	6.09%	6.03%	6.16%	11,270	6.45%	6.33%	6.56%
1996	32,649	6.06%	6.00%	6.13%	10,761	6.37%	6.25%	6.48%

Low Birthweight	
DENOMINATOR: Live Births	
State	County
611,666	204,124
609,228	202,737
600,838	197,415
584,483	189,706
567,034	180,394
551,226	174,862
538,628	168,973

**Source:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

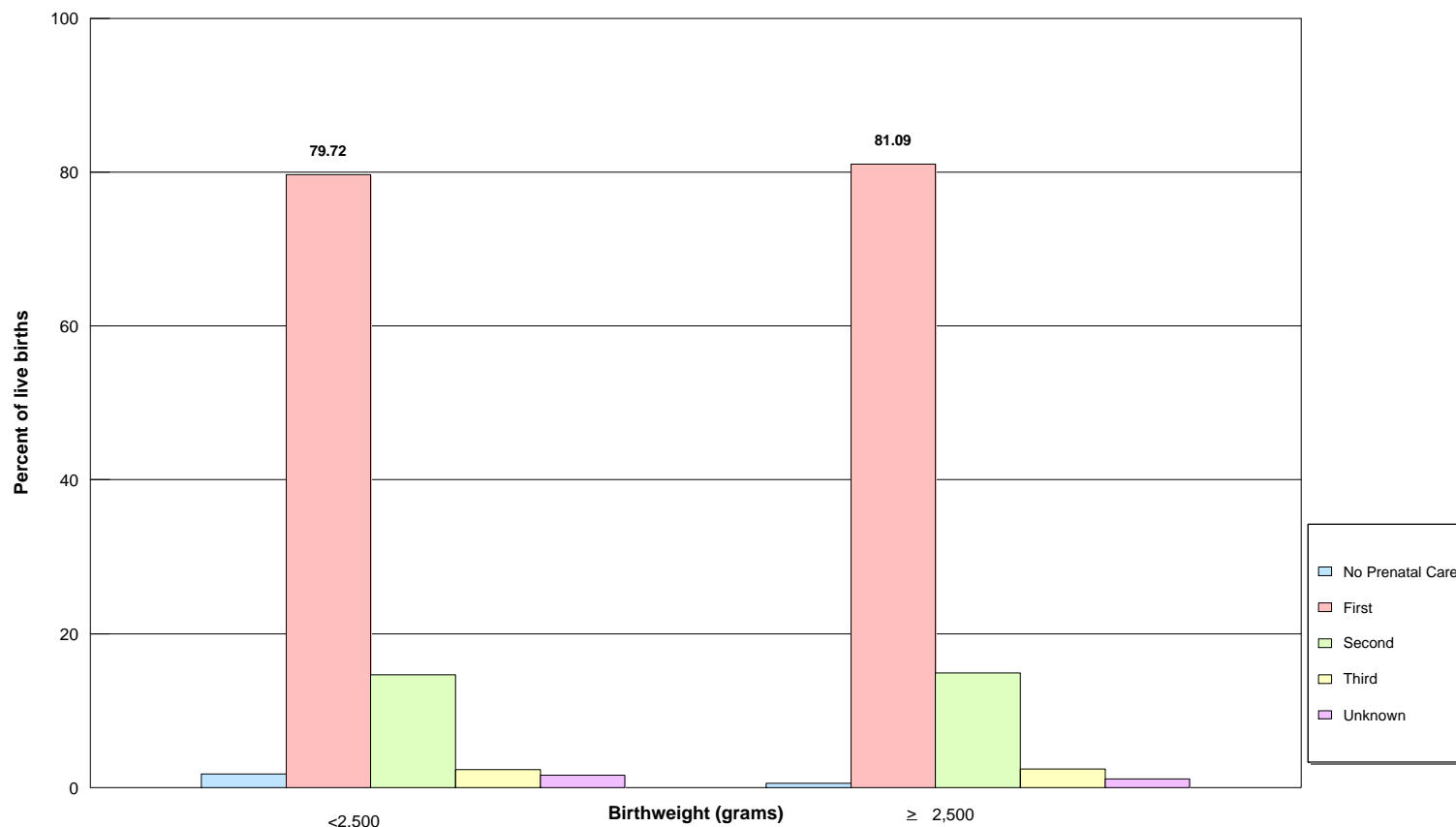


**Year 2000 Objective:** Reduce low birthweight to an incidence of no more than 5 percent of live births

**Source:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births for Mother's Trimester Prenatal Care Began by Birthweight

Los Angeles County, 1996



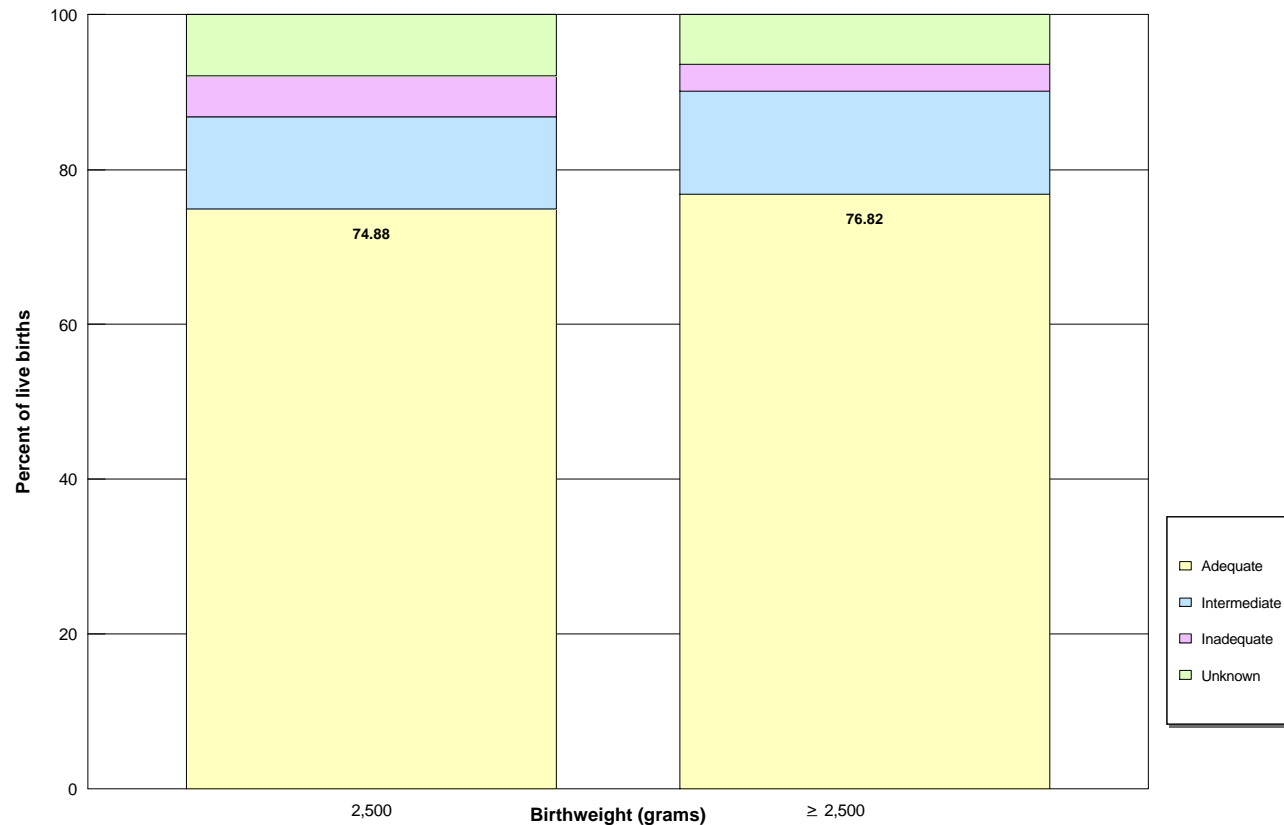
Live Births	Birthweight (grams)			
	< 2,500		≥ 2,500	
	Number	Percent	Number	Percent
No PNC	187	1.74	831	0.53
First	8,579	79.72	128,279	81.09
Second	1,575	14.64	23,541	14.88
Third	246	2.29	3,740	2.36
Unknown	174	1.62	1,805	1.14
Total	10,761	100.00	158,196	100.00

Note: PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Kessner Index by Birthweight

Los Angeles County, 1996



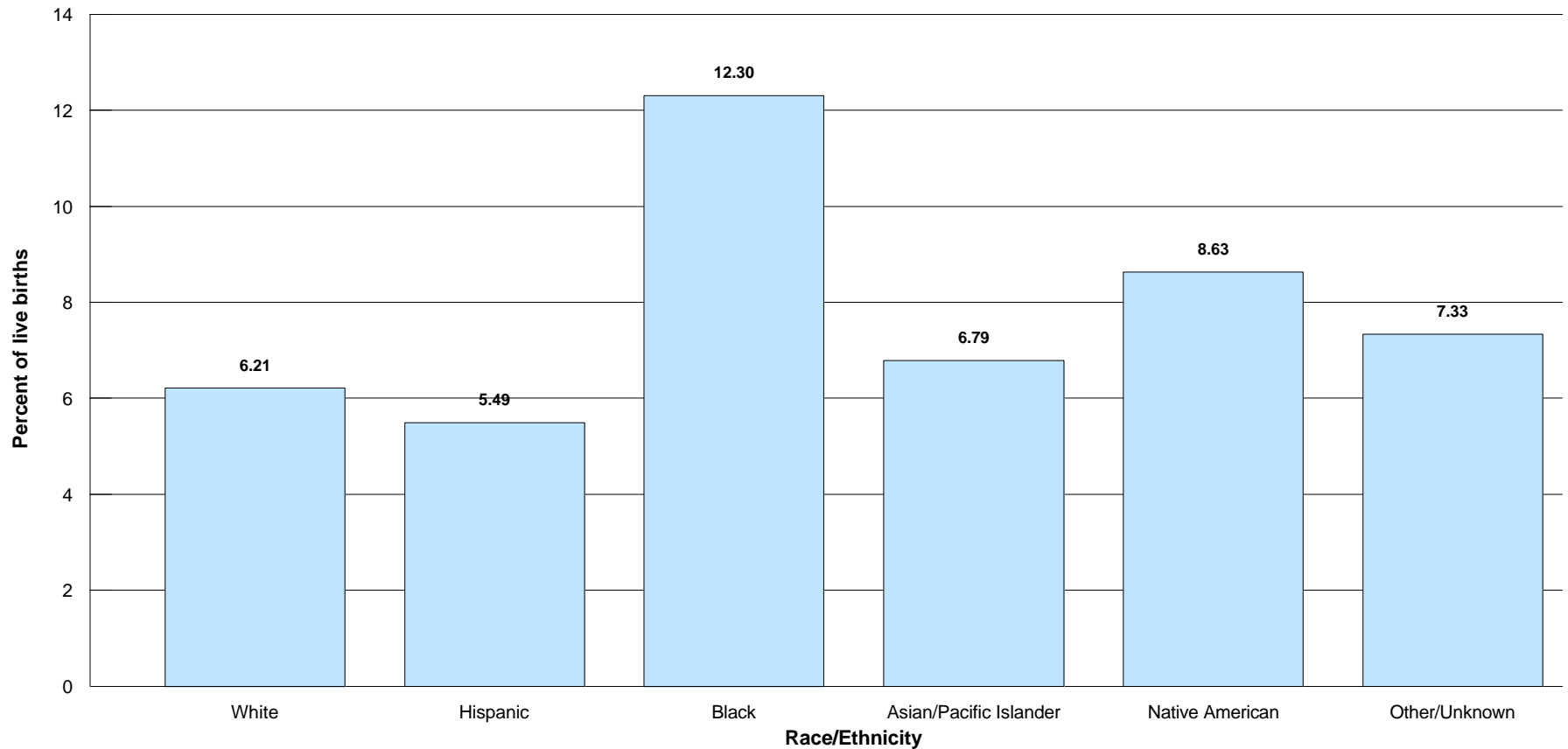
Live Births	Birthweight (grams)			
	< 2,500		≥ 2,500	
	Number	Percent	Number	Percent
Adequate	8,058	74.88	121,528	76.82
Intermediate	1,281	11.90	21,033	13.30
Inadequate	574	5.33	5,458	3.45
Unknown	848	7.88	10,177	6.43
Total	10,761	100.00	158,196	100.00

Note: The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Low Birthweight Live Births by Mother's Race/Ethnicity\*

Los Angeles County, 1996



	Race/Ethnicity										
	White		Hispanic		Black		Asian**/Pacific Islander		Native American		Other/Unk
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
<2,500 grams	1,995	6.21	5,773	5.49	1,867	12.30	1,077	6.79	27	8.63	22
Total	32,151	100.00	105,175	100.00	15,184	100.00	15,850	100.00	313	100.00	300

\* White, Black, Asian, Pacific Islander, Native American and other races exclude Hispanic ethnicity.

Hispanic includes any race category.

\*\* Filipino is included in Asian.

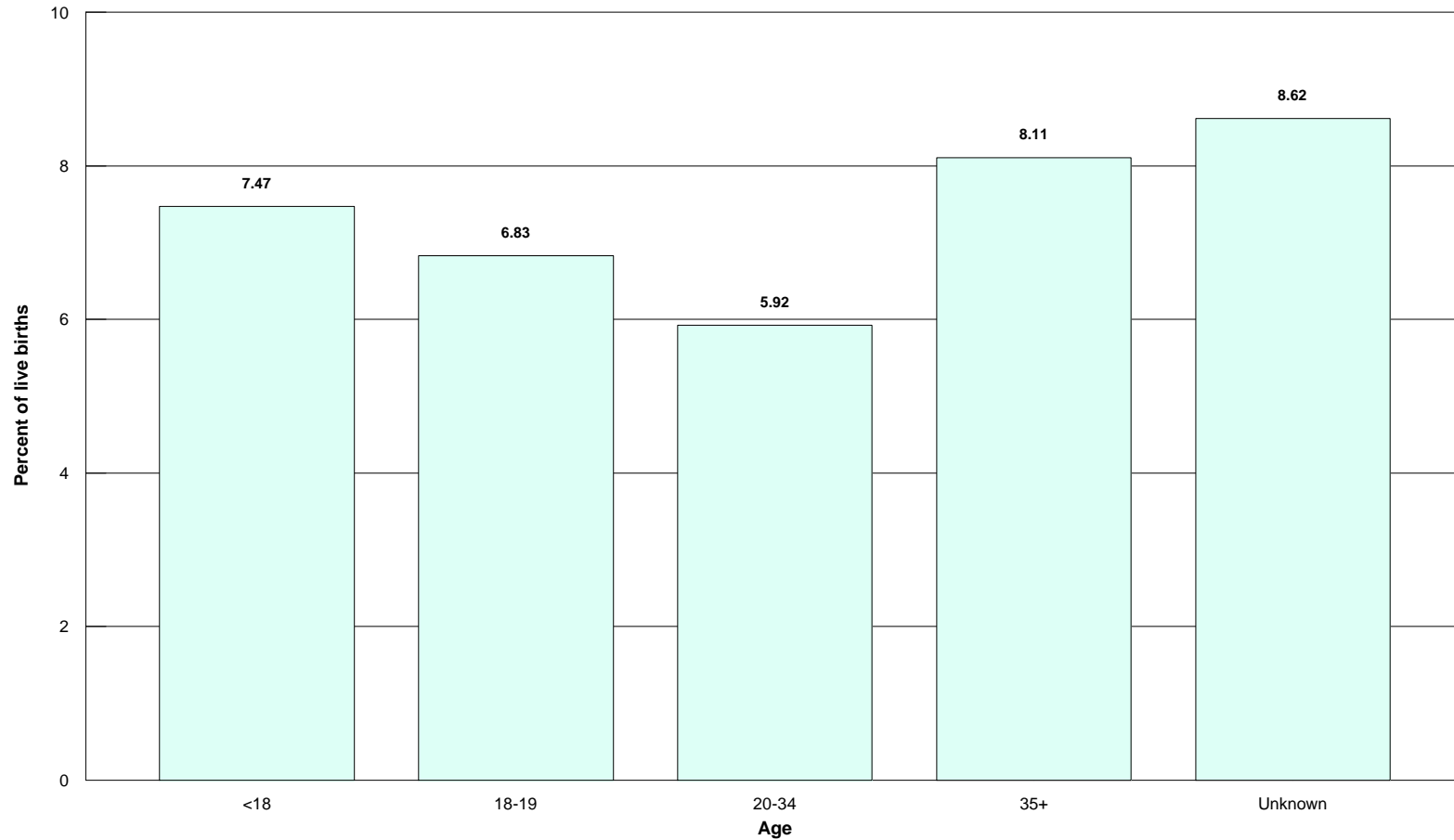
Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

Note: Low birthweight is defined as weight less than 2,500 grams at birth.



## Percent of Low Birthweight Live Births by Mother's Age

Los Angeles County, 1996



	Age									
	< 18		18 - 19		20 - 34		35+		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	614	7.47	835	6.83	7,388	5.92	1,919	8.11	5	8.62
Total	8,218	100.00	12,217	100.00	124,830	100.00	23,650	100.00	58	100.00

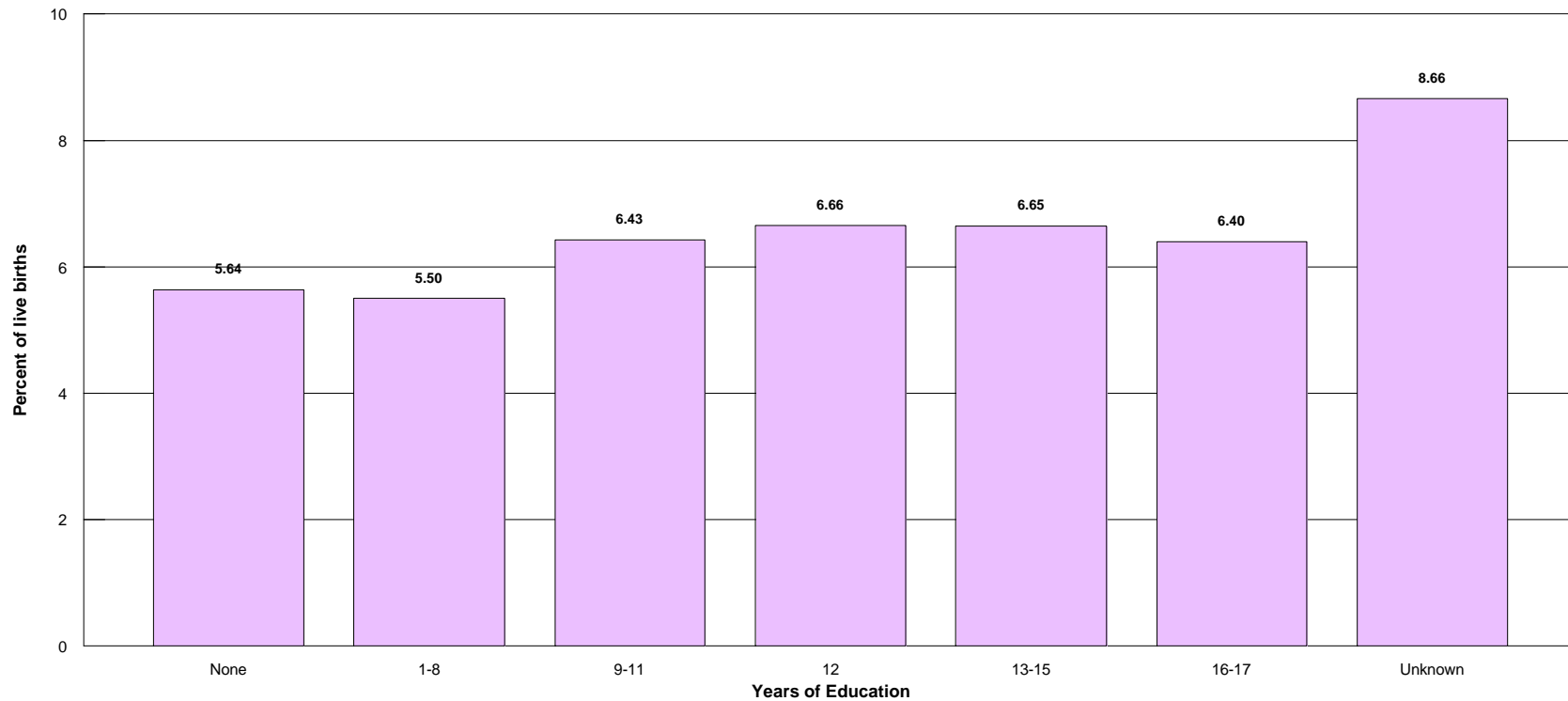
Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

Note: Low birthweight is defined as weight less than 2,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Low Birthweight Live Births by Mother's Years of Education

Los Angeles County, 1996



	Years of Education													
	None		1 - 8		9 - 11		12		13 - 15		16 - 17		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	47	5.64	1691	5.50	2455	6.43	3047	6.66	1828	6.65	1581	6.40	112	8.66
Total	834	100.00	30738	100.00	38180	100.00	45722	100.00	27497	100.00	24709	100.00	1293	100.00

Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

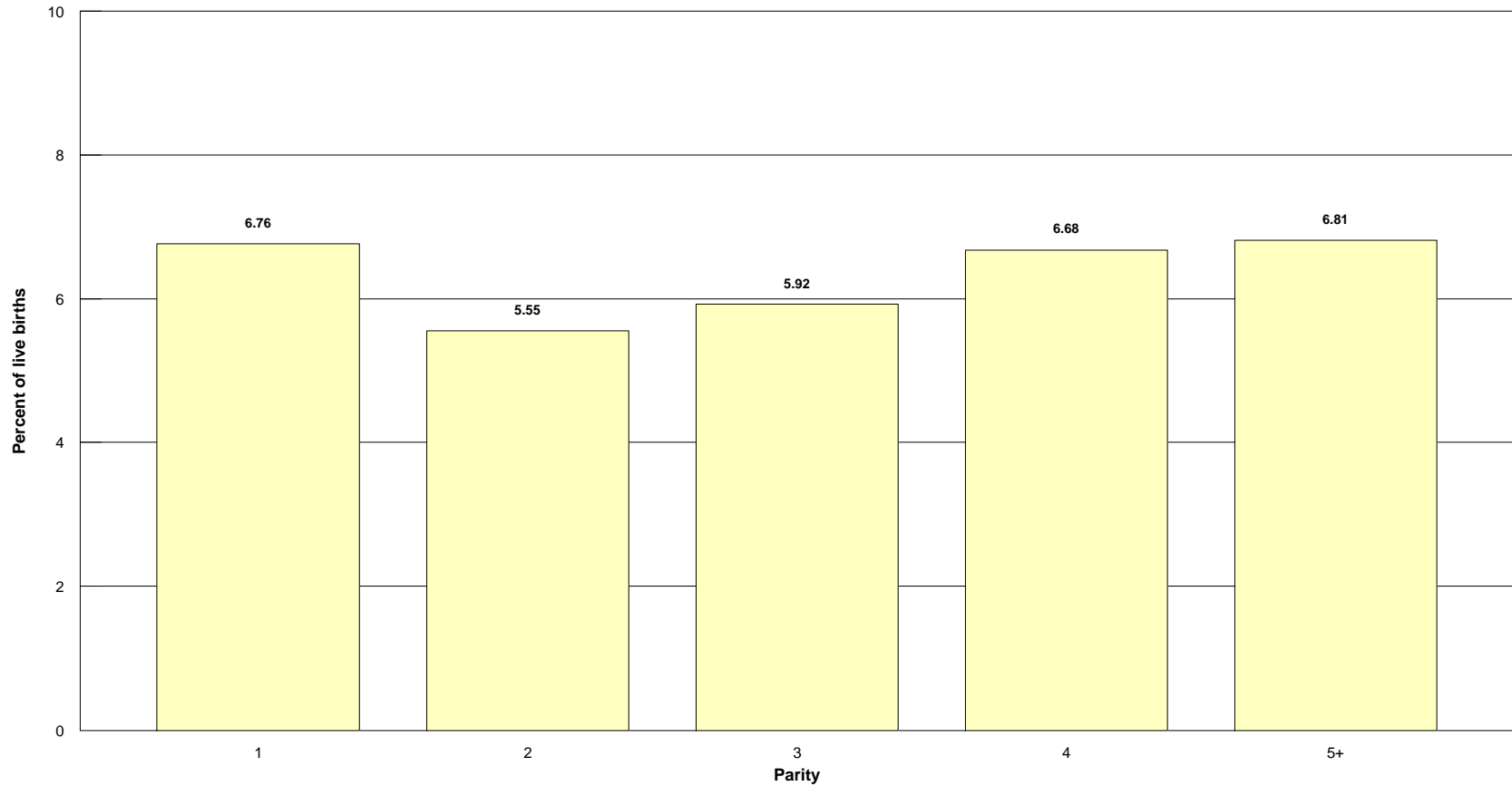
Note: Low birthweight is defined as weight less than 2,500 grams at birth.

Year '17' = mothers who attained college degree or above

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

### Percent of Low Birthweight Live Births by Parity

Los Angeles County, 1996



	Parity											
	1		2		3		4		5+		Not Stated	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	4,284	6.76	2,922	5.55	1,738	5.92	882	6.68	894	6.81	41	19.71
Total	63,417	100.00	52,669	100.00	29,339	100.00	13,210	100.00	13,130	100.00	208	100.00

Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

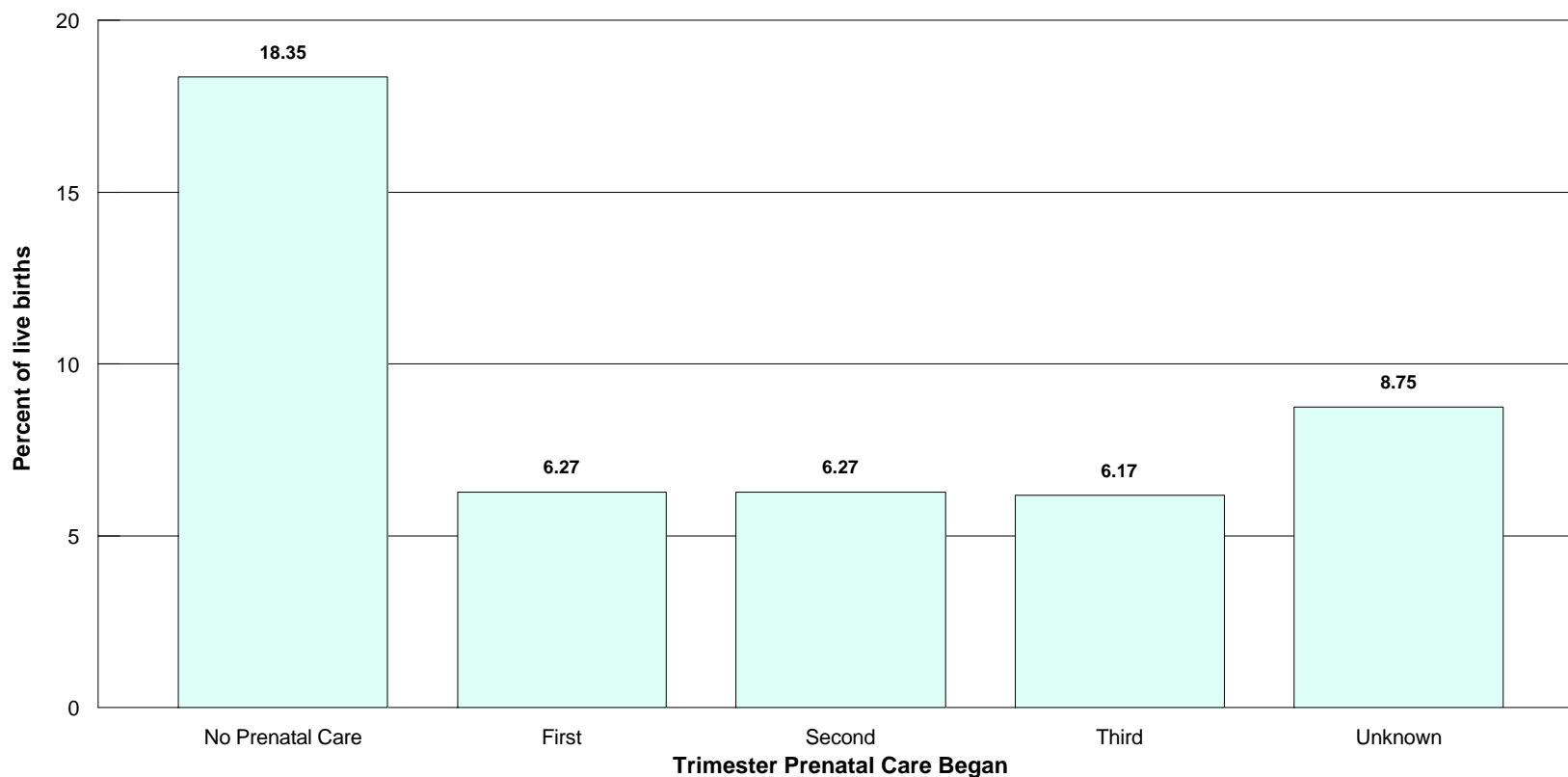
Note: Parity = number of pregnancies resulting in live births

Low birthweight is defined as weight less than 2,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Low Birthweight Live Births by Mother's Trimester Prenatal Care Began

Los Angeles County, 1996



	Trimester PNC Began									
	No Prenatal Care		First		Second		Third		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	187	18.35	8,579	6.27	1,575	6.27	246	6.17	174	8.75
Total	1,019	100.00	136,863	100.00	25,116	100.00	3,986	100.00	1,989	100.00

Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

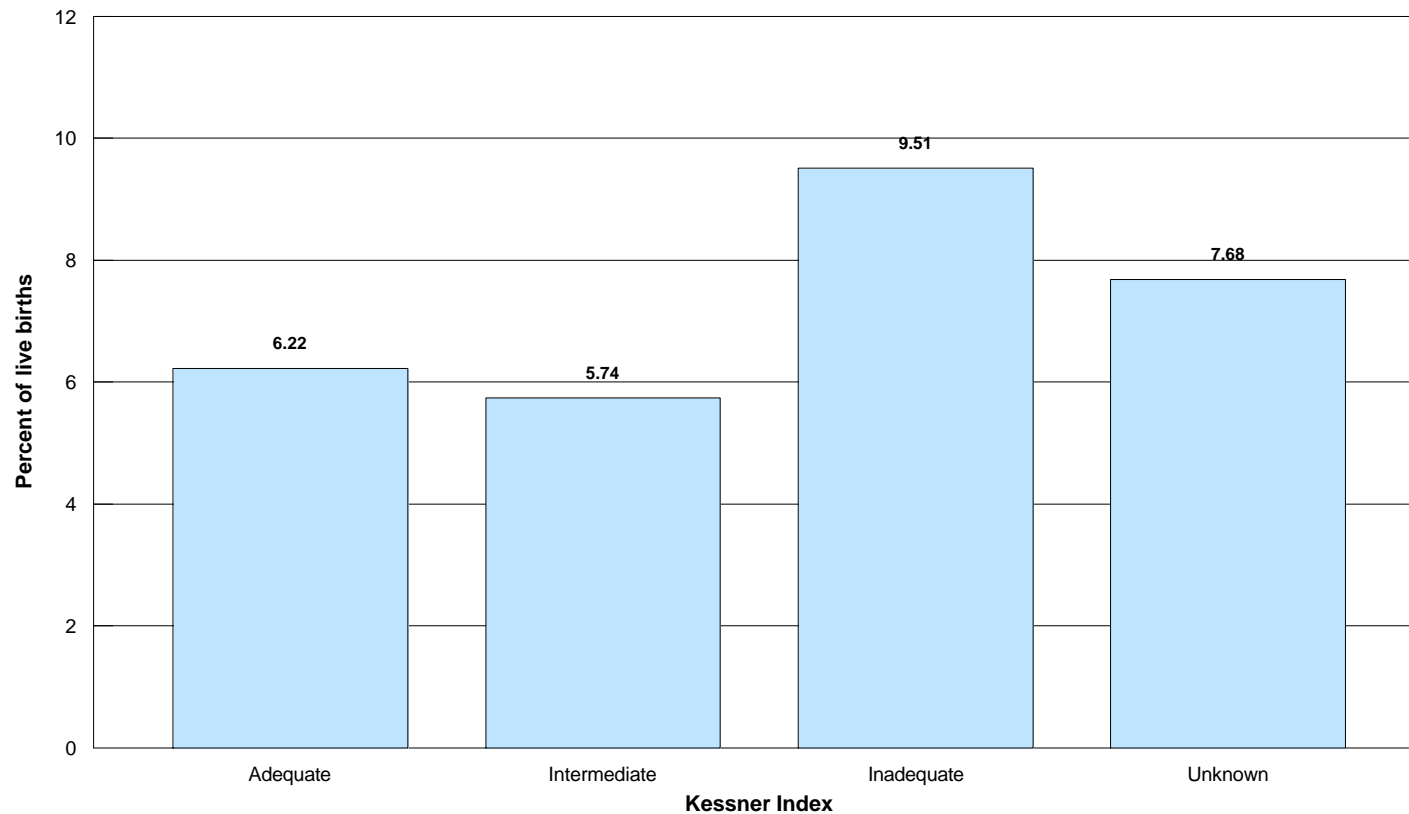
Note: PNC = 'Prenatal Care'

Low birthweight is defined as weight less than 2,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Low Birthweight Live Births by Kessner Index

Los Angeles County, 1996



	Kessner Index							
	Inadequate		Intermediate		Adequate		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	574	9.51	1,281	5.74	8,058	6.22	848	7.68
Total	6,033	100.00	22,314	100.00	129,590	100.00	11,036	100.00

Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

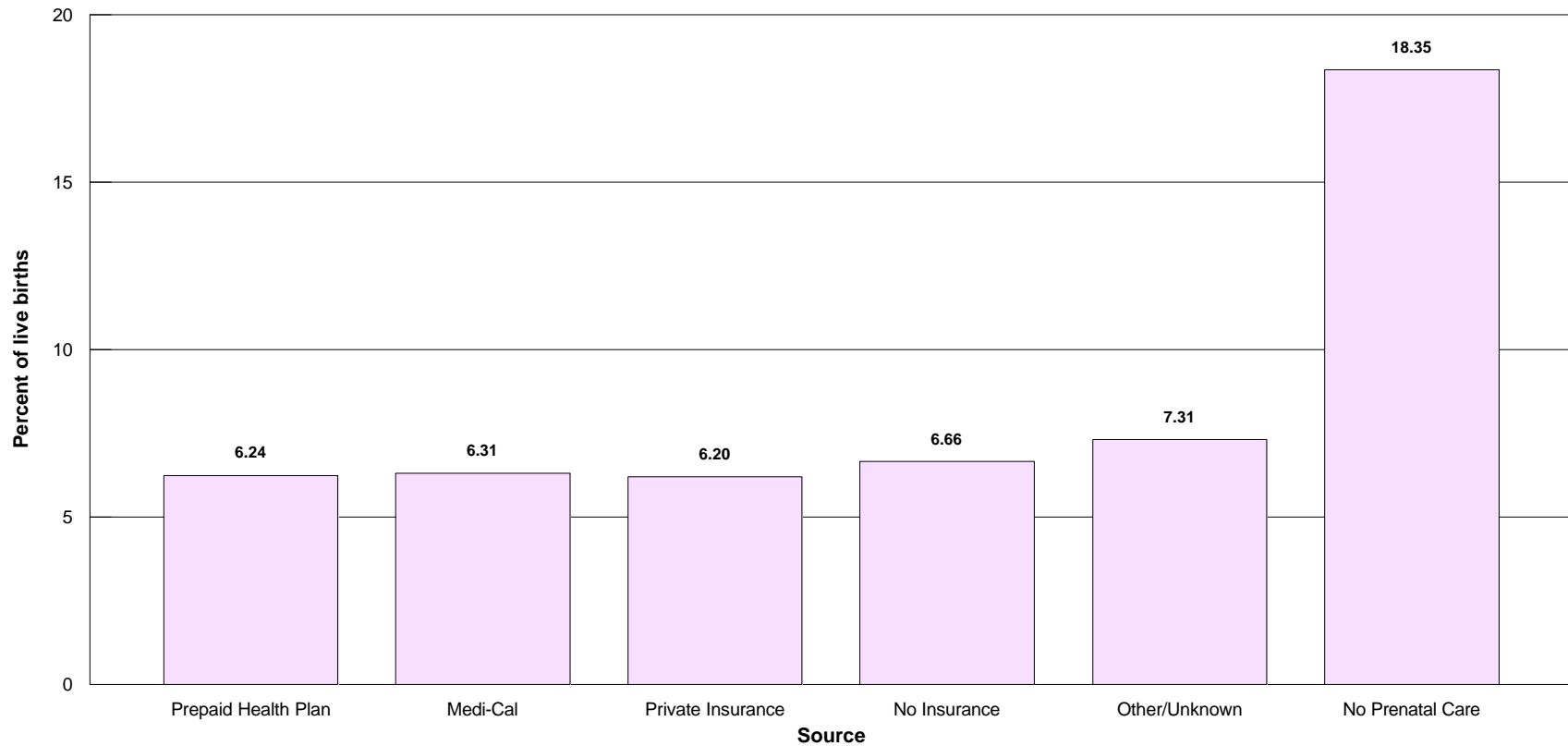
Note: Low birthweight is defined as weight less than 2,500 grams at birth.

The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Low Birthweight Live Births by Payment Source for Prenatal Care

Los Angeles County, 1996



	Source of Payment											
	Prepaid Health Plan		Medi-Cal		Private Insurance		No Insurance		Other/Unknown		No Prenatal Care	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	2,991	6.24	5,644	6.31	1,492	6.20	329	6.66	118	7.31	187	18.35
Total	47,906	100.00	89,425	100.00	24,065	100.00	4,943	100.00	1,615	100.00	1,019	100.00

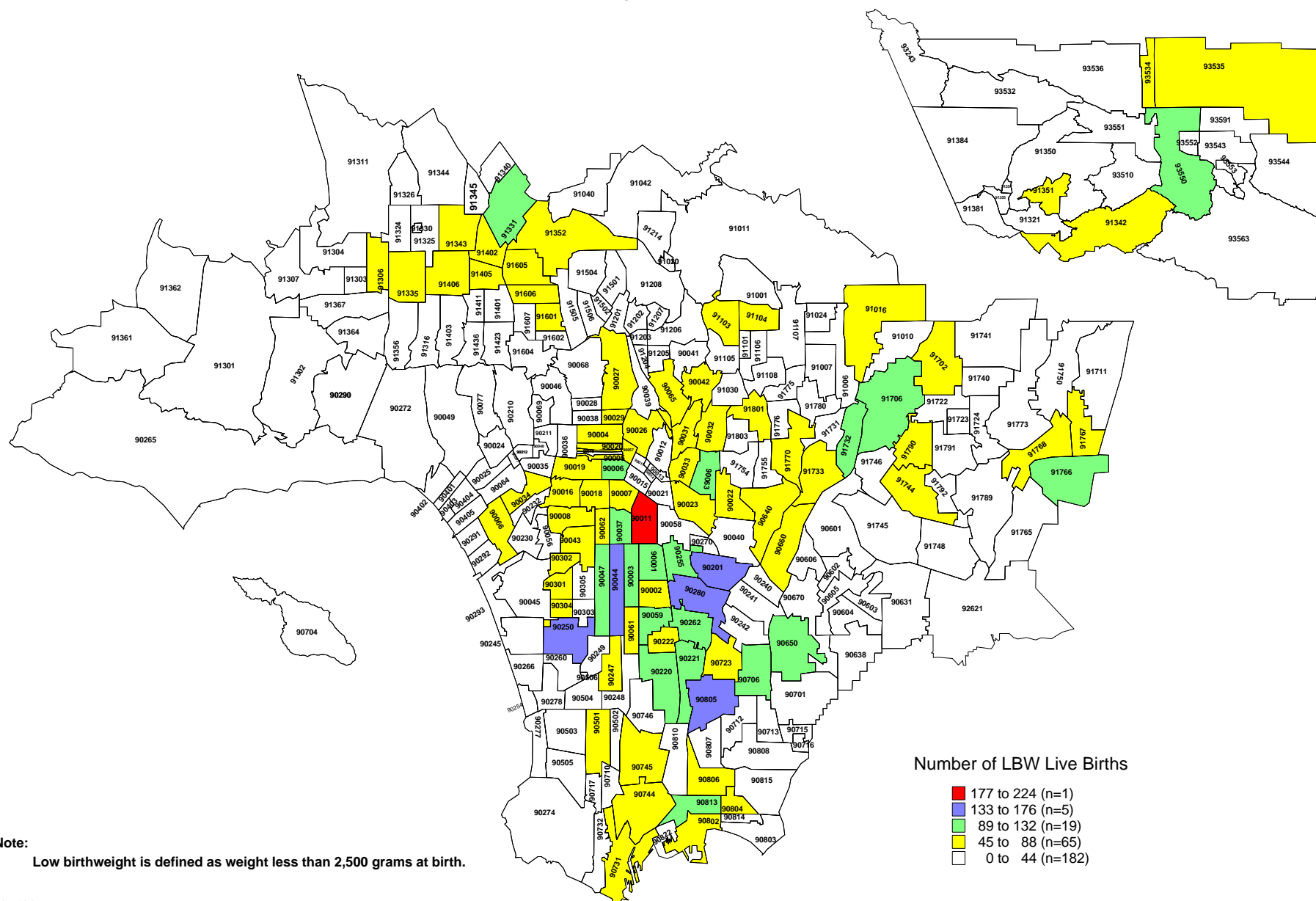
Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

Note: Low birthweight is defined as weight less than 2,500 grams at birth

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# Number of Low Birthweight (LBW) Live Births by Zip Code

Los Angeles County, 1996



**Note:**

Low birthweight is defined as weight less than 2,500 grams at birth.

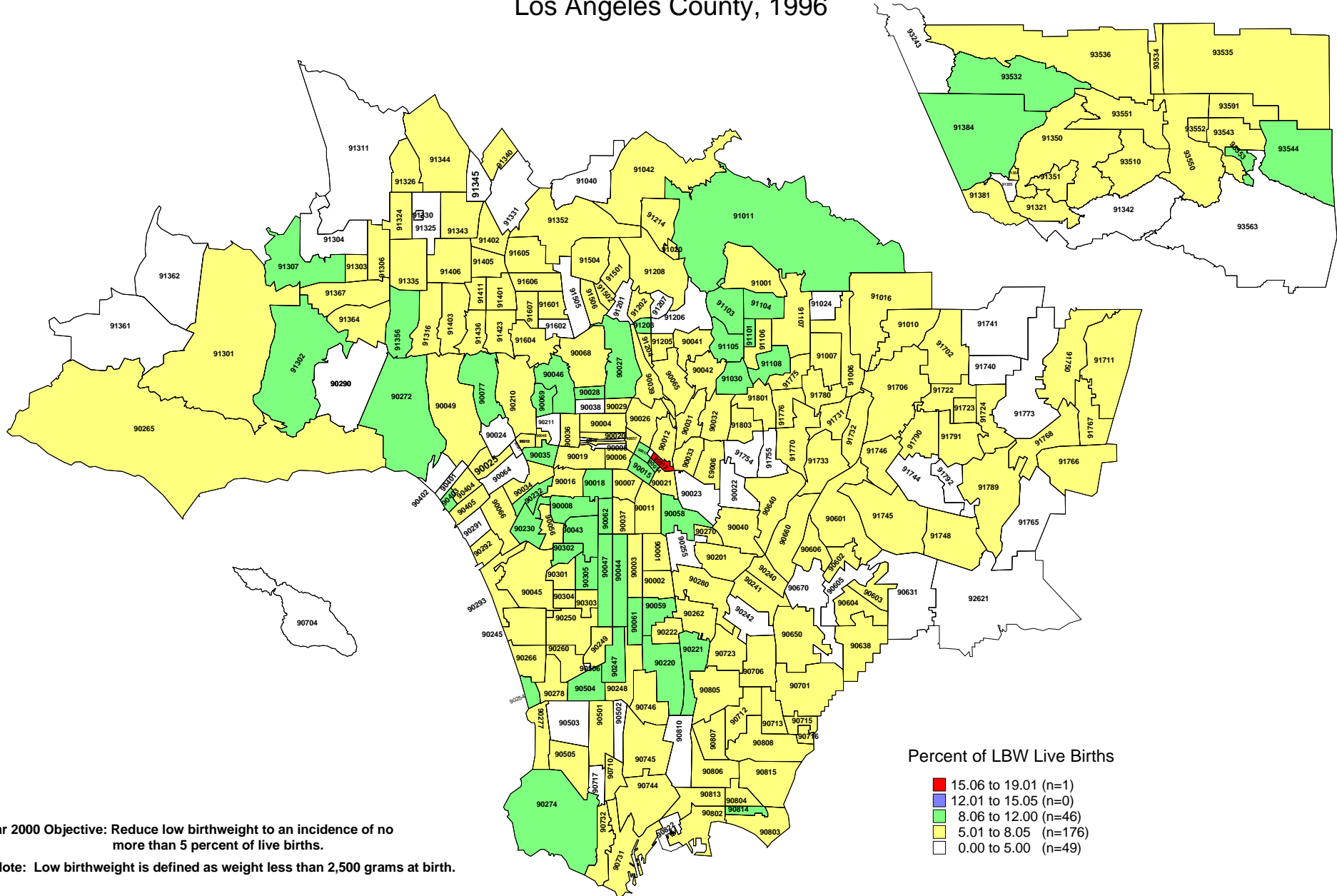
**Source:**

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.

# Percent of Low Birthweight (LBW) Live Births by Zip Code

Los Angeles County, 1996



\*Year 2000 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

Note: Low birthweight is defined as weight less than 2,500 grams at birth.

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.



## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Very low birthweight

**DEFINITION:** The percent of live born infants weighing less than 1500 grams at birth

**NUMERATOR:** The number of infants weighing less than 1500 grams at birth, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**

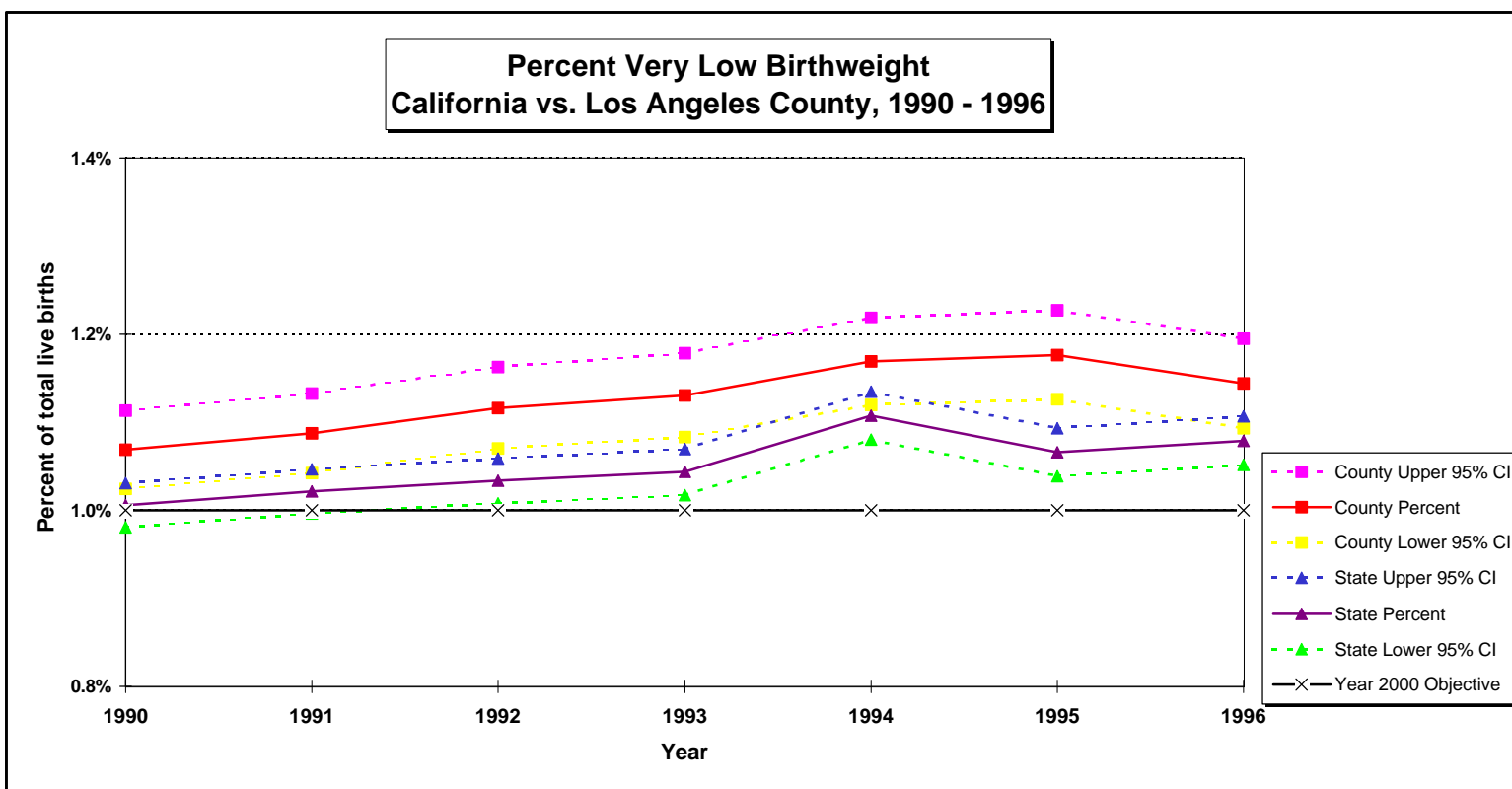
Reduce very low birthweight to an incidence of no more than 1 percent of live births. (Baseline: 1.2 percent in 1987) (Objective 14.5)

**RISK FACTORS:** Preterm birth; prior preterm birth; race/ethnicity (Black, Puerto Rican); substance use/abuse (e.g. illicit drug use)

See also risk factors for low birthweight.

	California				Los Angeles County				Very Low Birthweight	
			95% Confidence Interval				95% Confidence Interval		DENOMINATOR: Live Births	
Very Low Birthweight	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper	State	County
1990	6,152	1.01%	0.98%	1.03%	2,182	1.07%	1.02%	1.11%	611,666	204,124
1991	6,223	1.02%	1.00%	1.05%	2,205	1.09%	1.04%	1.13%	609,228	202,737
1992	6,209	1.03%	1.01%	1.06%	2,204	1.12%	1.07%	1.16%	600,838	197,415
1993	6,099	1.04%	1.02%	1.07%	2,145	1.13%	1.08%	1.18%	584,483	189,706
1994	6,282	1.11%	1.08%	1.14%	2,109	1.17%	1.12%	1.22%	567,034	180,394
1995	5,877	1.07%	1.04%	1.09%	2,057	1.18%	1.13%	1.23%	551,226	174,862
1996	5,812	1.08%	1.05%	1.11%	1,933	1.14%	1.09%	1.19%	538,628	168,973

**Source:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

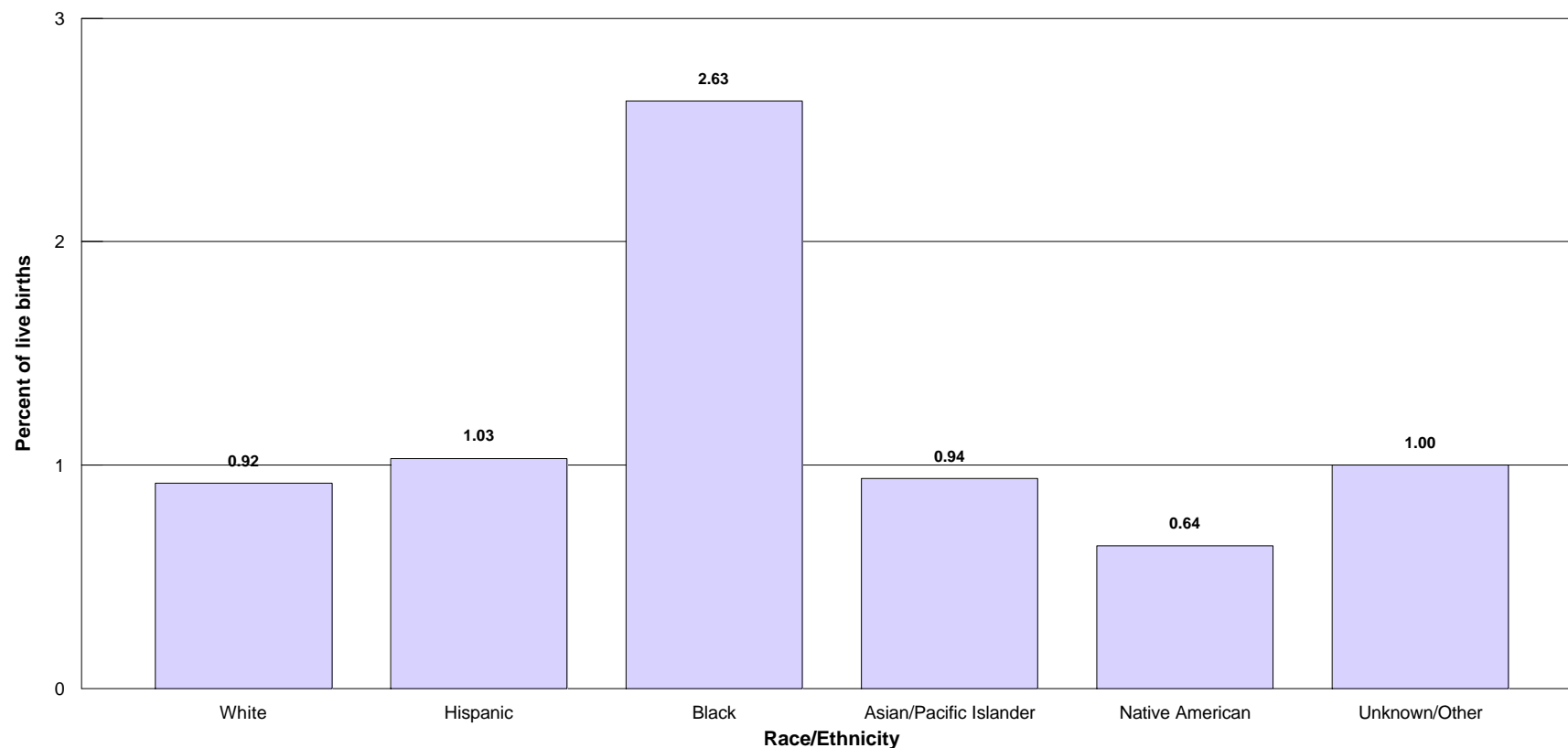


**Year 2000 Objective:** Reduce very low birthweight to an incidence of no more than 1 percent of live births.

**Source:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

## Percent of Very Low Birthweight Live Births by Mother's Race/Ethnicity\*

Los Angeles County, 1996



Race/Ethnicity												
Live Births	White		Hispanic		Black		Asian**/Pacific Islander		Native American		Unknown/Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	297	0.92	1082	1.03	400	2.63	149	0.94	2	0.64	3	1.00
Total	32,151	100.00	105,175	100.00	15,184	100.00	15,850	100.00	313	100.00	300	100.00

\* White, Black, Asian, Pacific Islander, Native American and other races exclude Hispanic ethnicity  
Hispanic includes any race category

\*\* Filipino is included in Asian

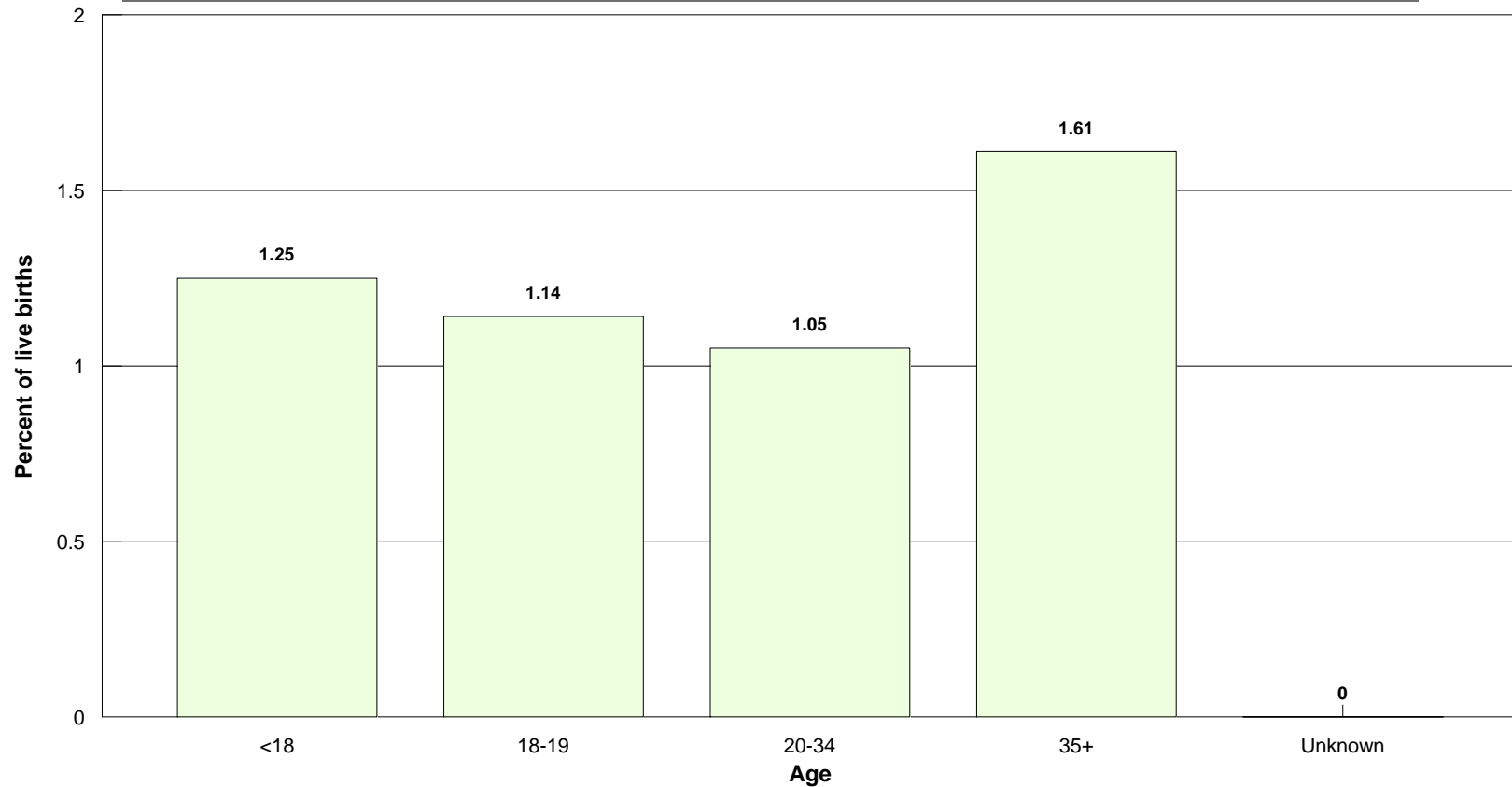
Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Very Low Birthweight Live Births by Mother's Age

Los Angeles County, 1996



	Age									
	<18		18-19		20-34		35+		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	103	1.25	139	1.14	1311	1.05	380	1.61	0	0.00
Total	8,218	100.00	12,217	100.00	124,830	100.00	23,650	100.00	58	100.00

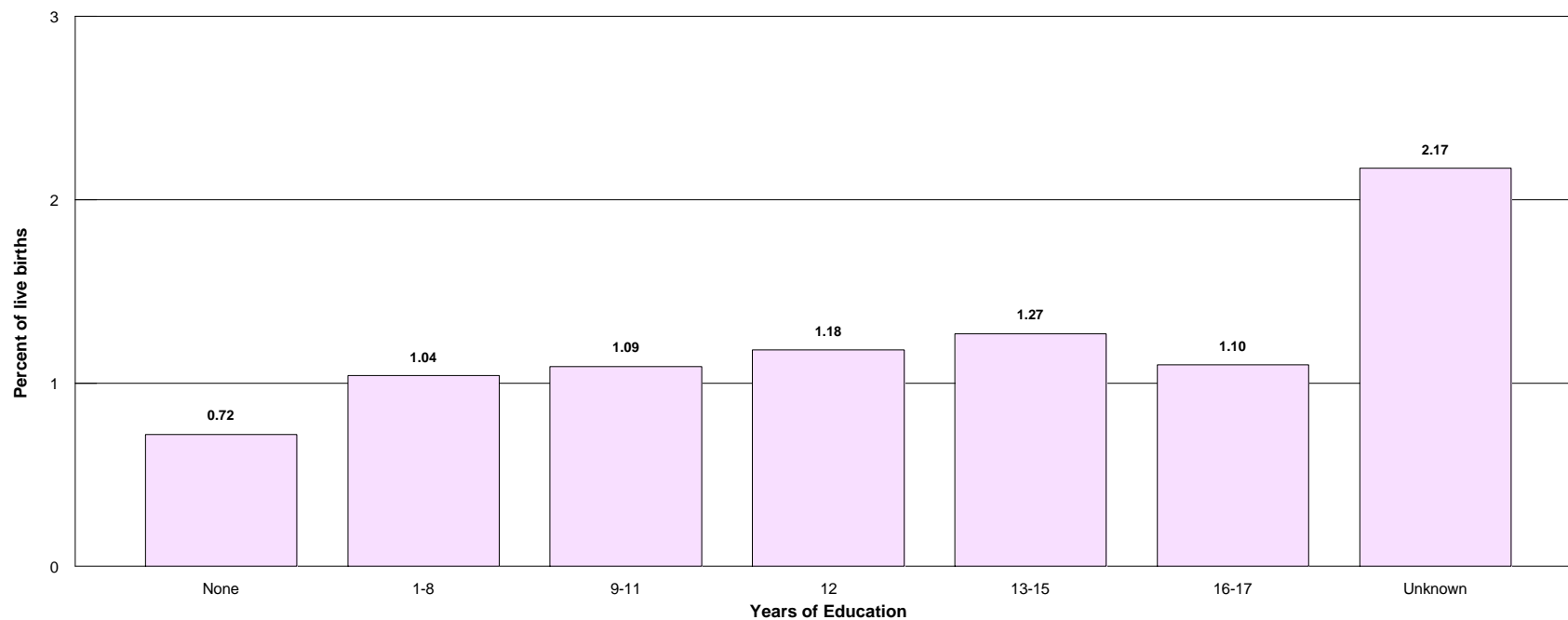
Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

Source: 1996 birth record from the California Department of Health Services, Health Data and Statistics Branch

# Percent of Very Low Birthweight Live Births by Mother's Years of Education

Los Angeles County, 1996



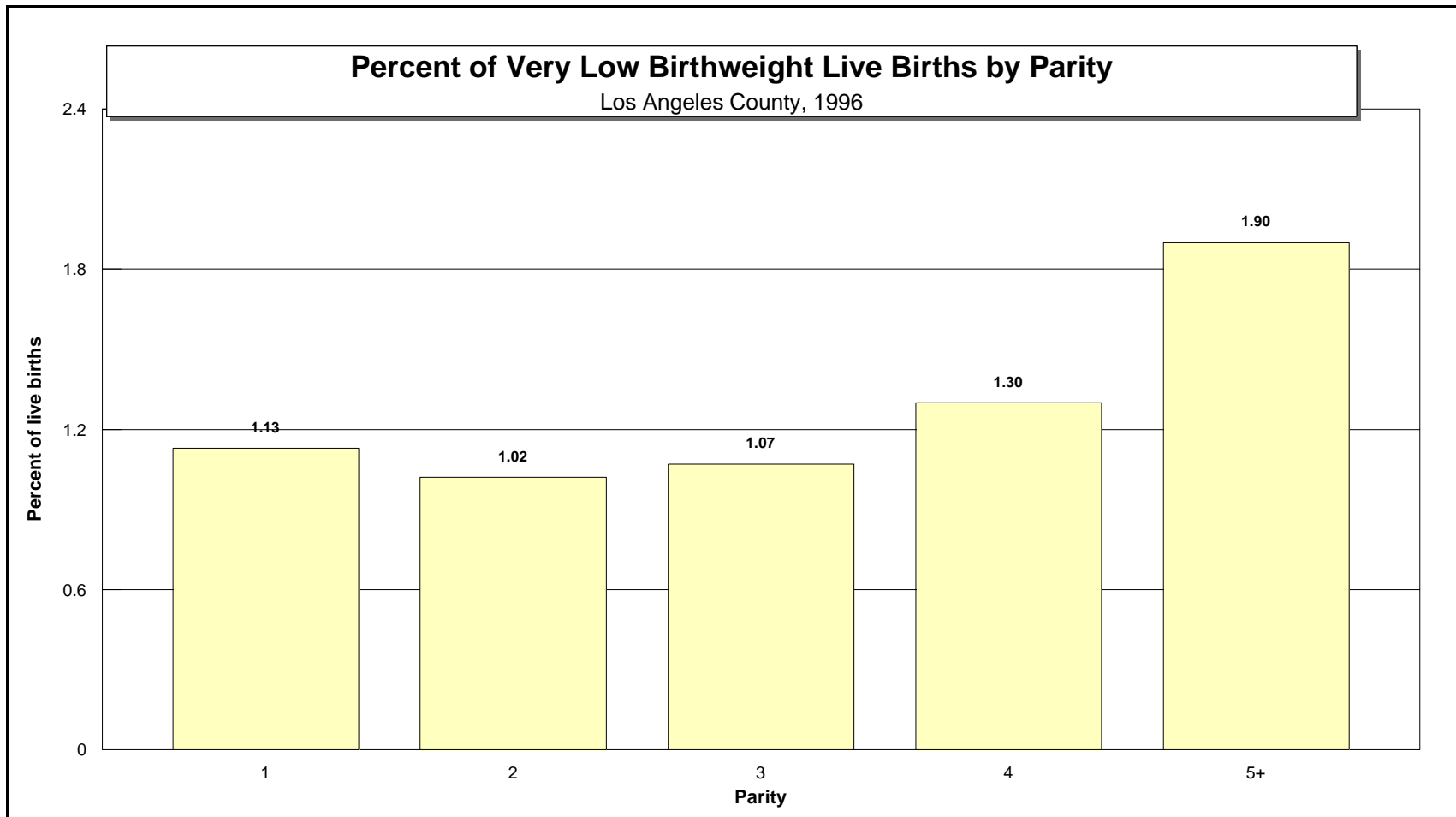
	Years of Education													
	None		1-8		9-11		12		13-15		16-17		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	6	0.72	319	1.04	417	1.09	541	1.18	349	1.27	273	1.10	28	2.17
Total	834	100.00	30,738	100.00	38,180	100.00	45,722	100.00	27,497	100.00	24,709	100.00	1,293	100.00

Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

Year '17' = mothers who attained college degree or above

Source: 1996 birth record from the California Department of Health Services, Health Data and Statistics Branch



	Parity											
	1		2		3		4		5+		Not Stated	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	714	1.13	538	1.02	313	1.07	172	1.30	189	1.87	7	3.37
Total	63,417	100.00	52,669	100.00	29,339	100.00	13,210	100.00	10,130	100.00	208	100.00

Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

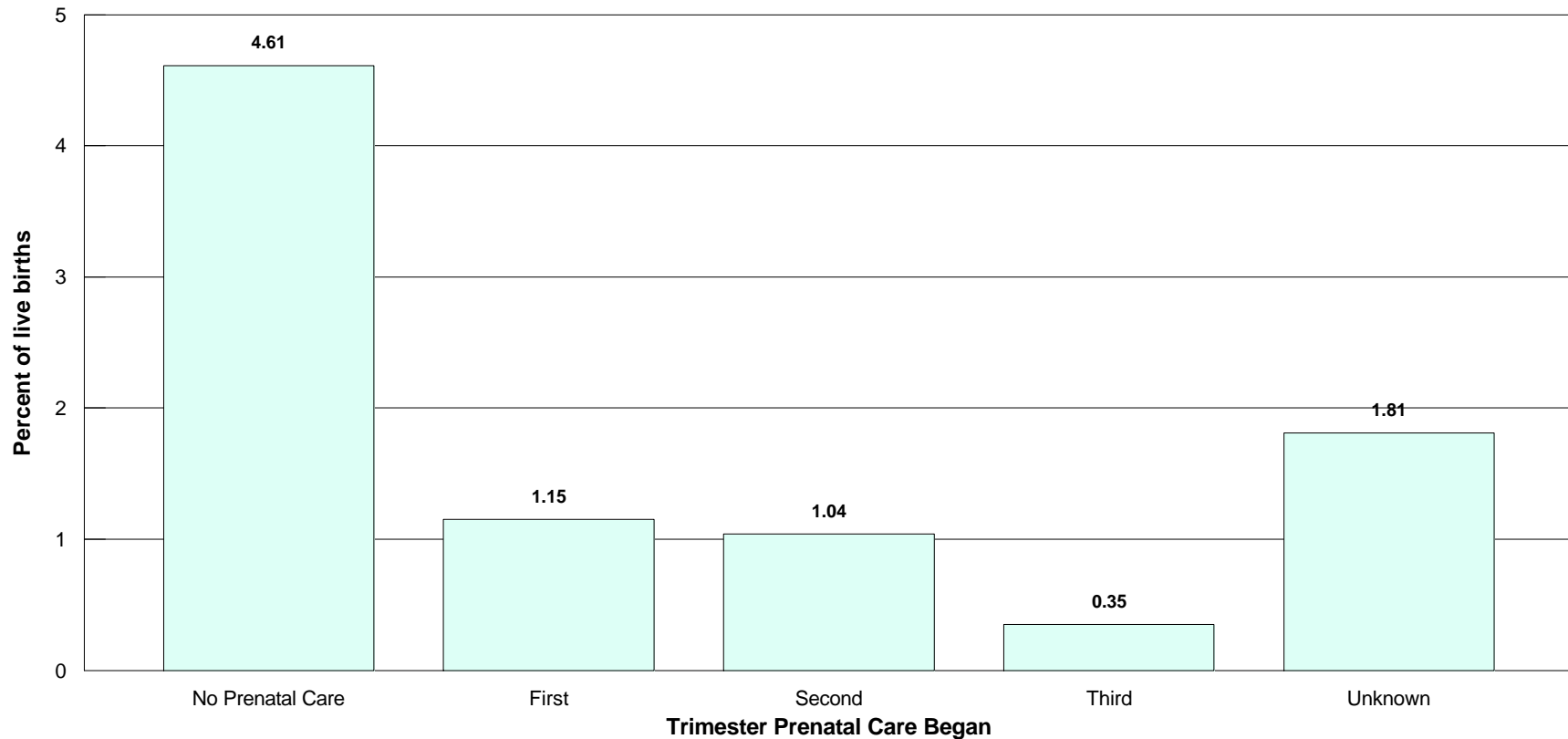
Note: Parity = number of pregnancies resulting in live births

Very low birthweight is defined as weight less than 1,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Very Low Birthweight Live Births by Mother's Trimester Prenatal Care Began

Los Angeles County, 1996



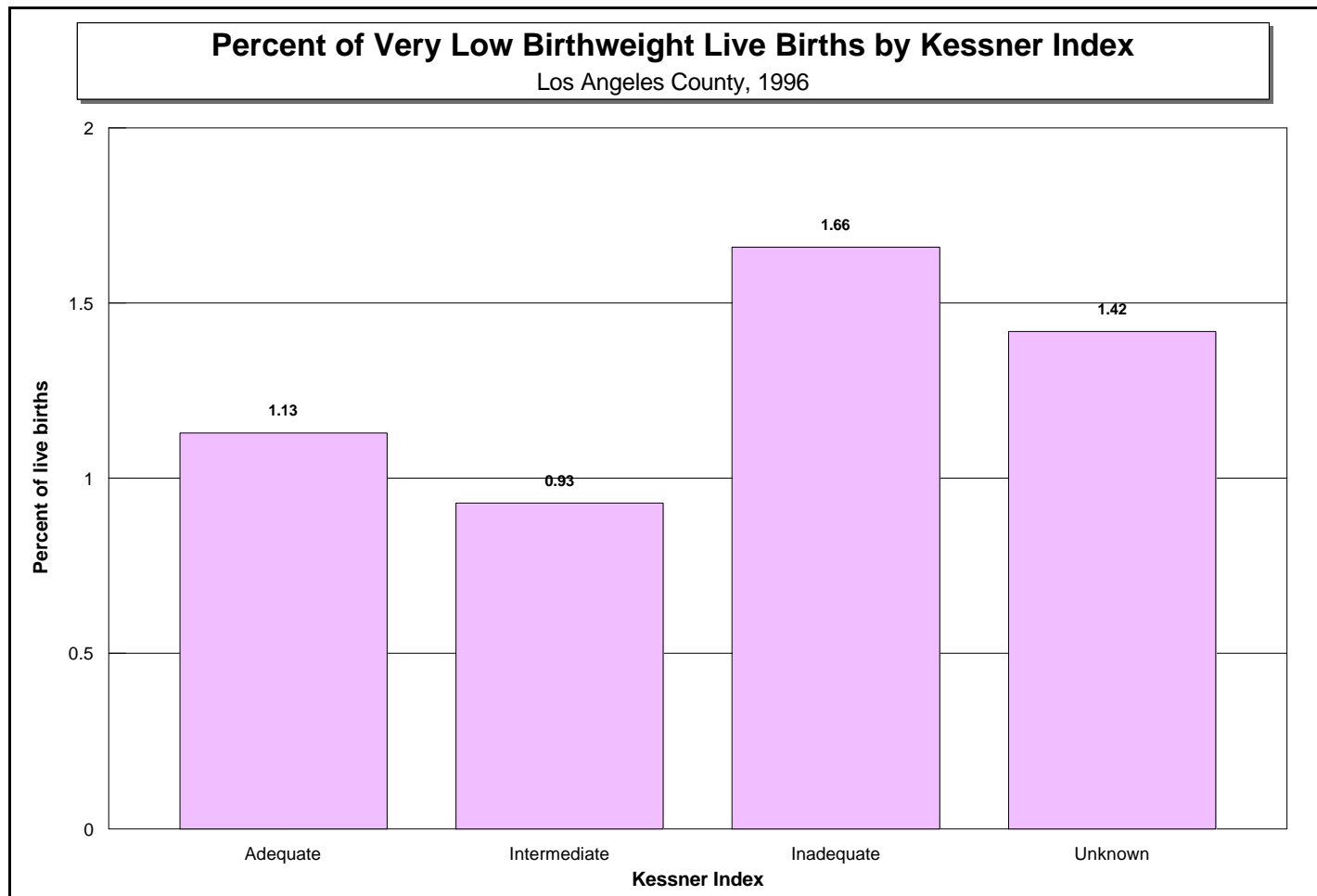
	Trimester PNC Began									
	No Prenatal Care		First		Second		Third		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	47	4.61	1574	1.15	262	1.04	14	0.35	36	1.81
Total	1,019	100.00	136,863	100.00	25,116	100.00	3,986	100.00	1,989	100.00

Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: PNC = 'Prenatal Care'

Very low birthweight is defined as weight less than 1,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Kessner Index							
	Inadequate		Intermediate		Adequate		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	100	1.66	208	0.93	1468	1.13	157	1.42
Total	6,033	100.00	22,314	100.00	129,590	100.00	11,036	100.00

Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

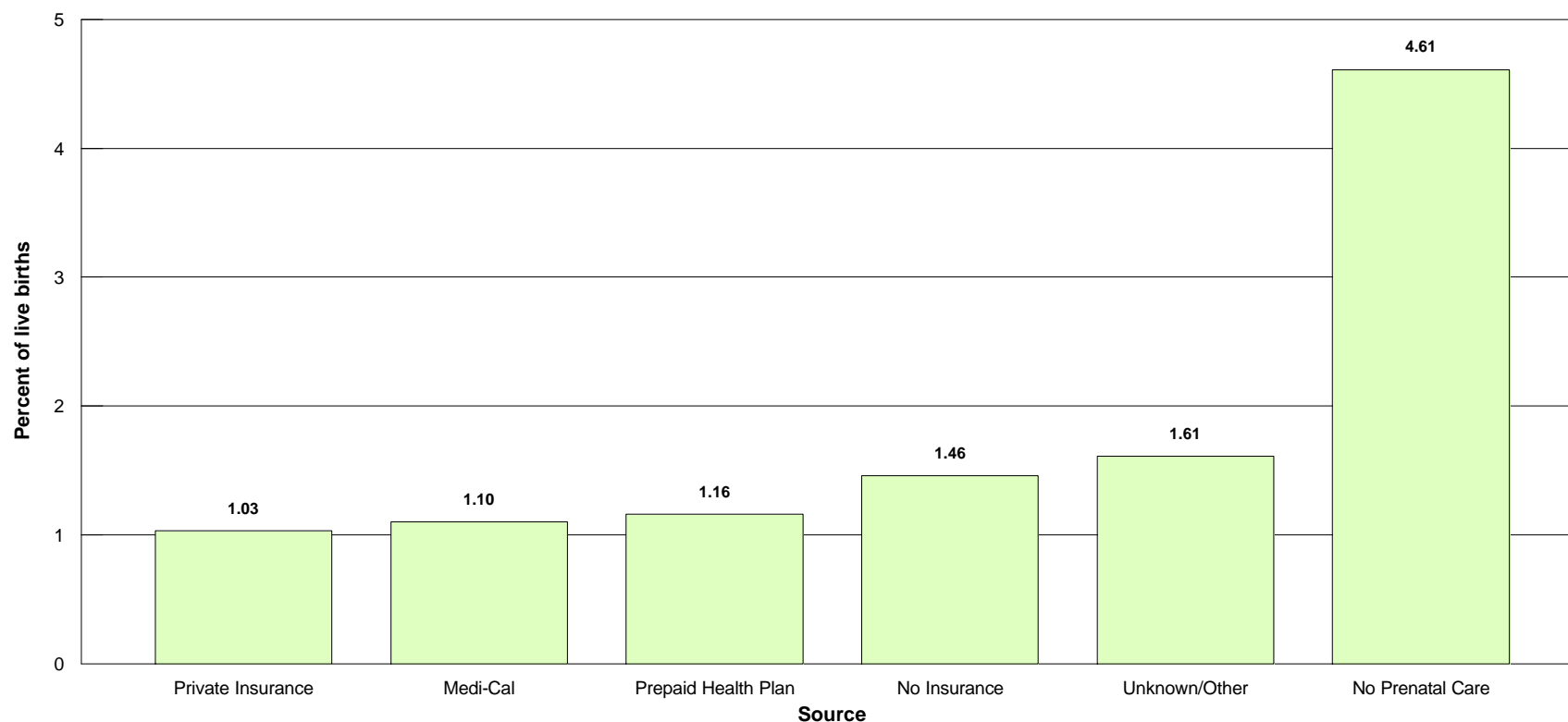
The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



## Percent of Very Low Birthweight Live Births by Payment Source for Prenatal Care

Los Angeles County, 1996



	Source of Payment											
	Private Insurance		Medi-Cal		Prepaid Health Plan		No Insurance		Unknown/Other		No Prenatal Care	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births <1,500 grams	249	1.03	983	1.10	556	1.16	72	1.46	26	1.61	47	4.61
Total	24,065	100.00	89,425	100.00	47,906	100.00	4,943	100.00	1,615	100.00	1,019	100.00

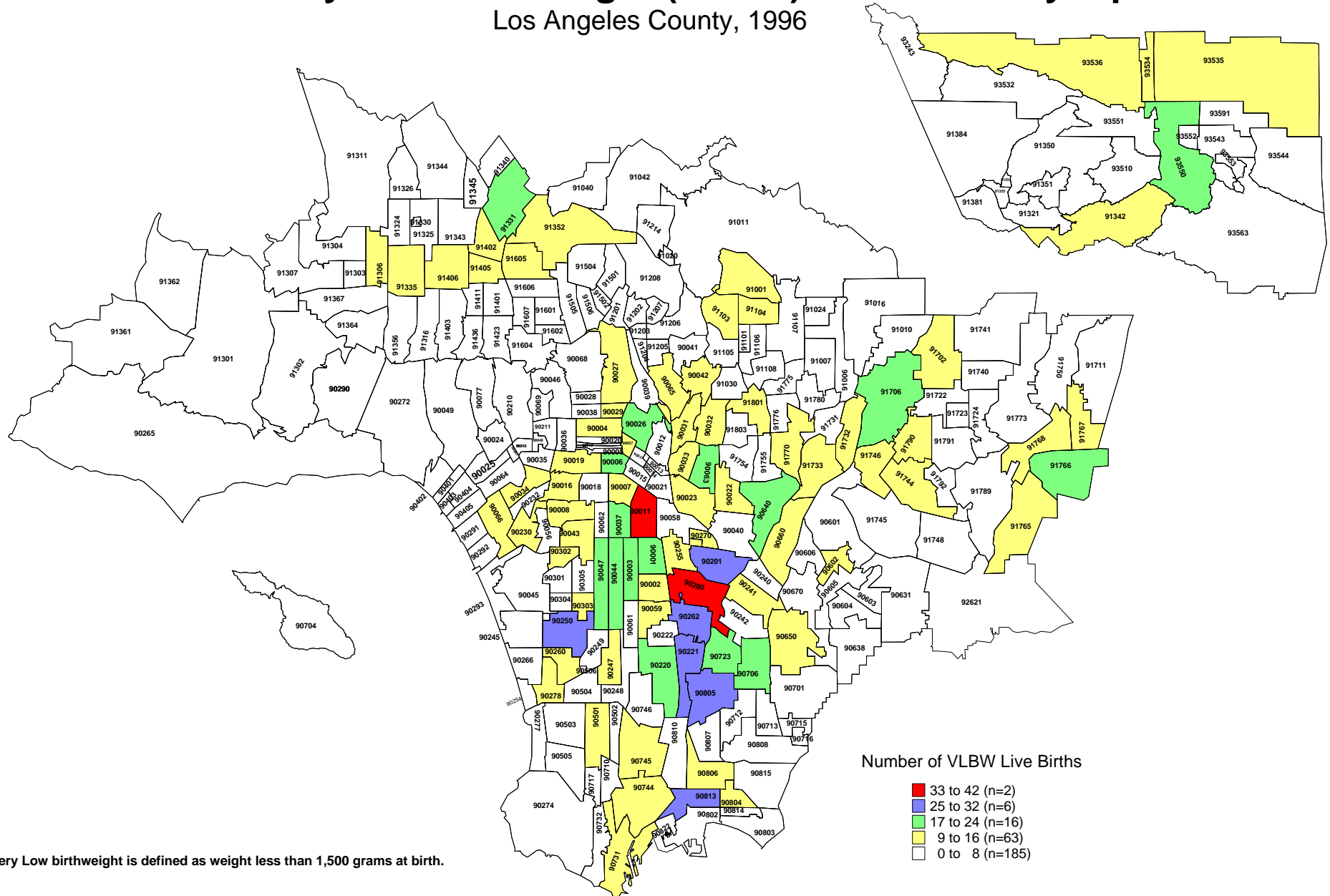
Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# Number of Very Low Birthweight (VLBW) Live Births by Zip Code

Los Angeles County, 1996



**Note:**

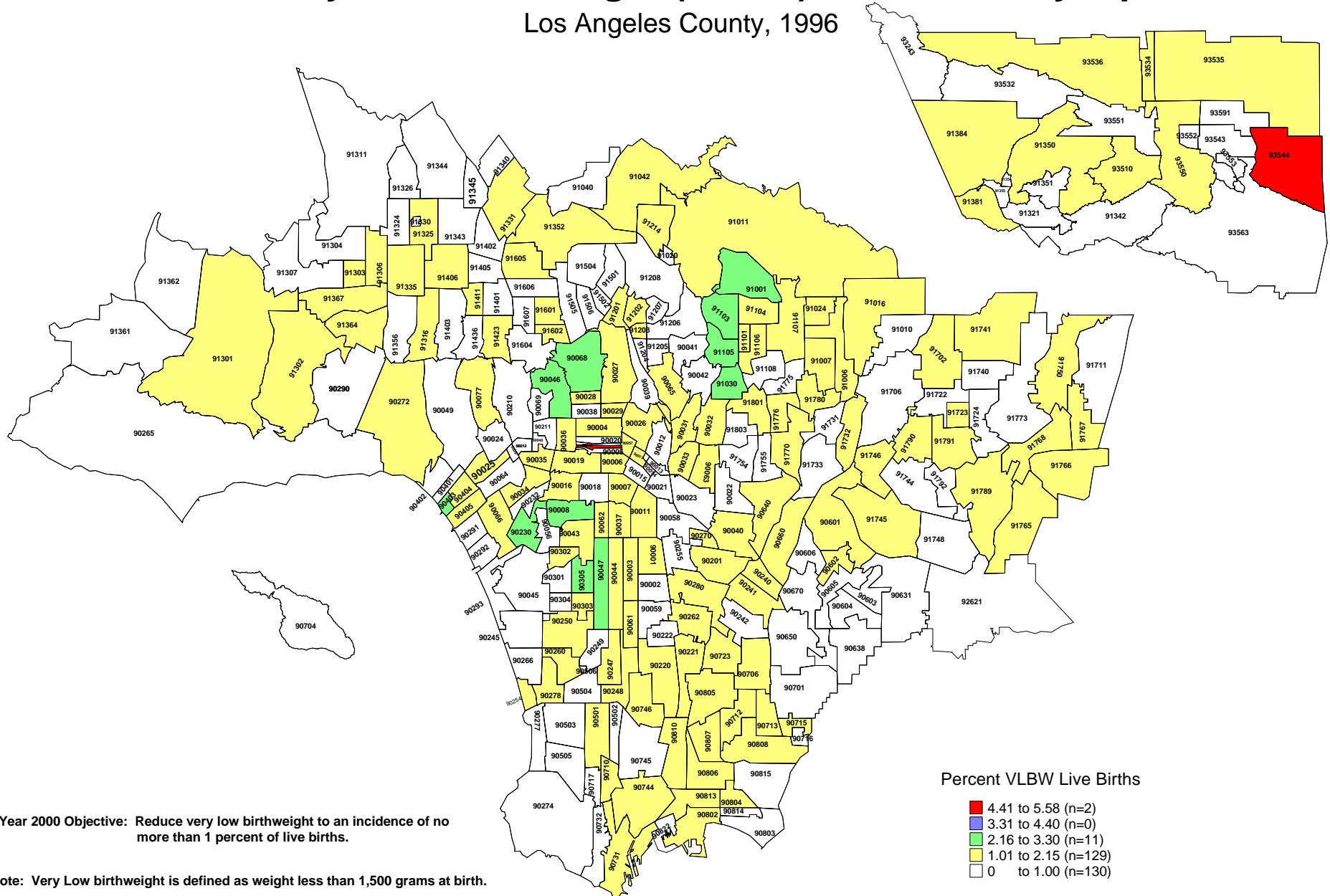
Very Low birthweight is defined as weight less than 1,500 grams at birth.

**Source:**

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

# Percent Very Low BirthWeight (VLBW) Live Births by Zip Code

Los Angeles County, 1996



\*Year 2000 Objective: Reduce very low birthweight to an incidence of no more than 1 percent of live births.

Note: Very Low birthweight is defined as weight less than 1,500 grams at birth.

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.

# **Prenatal Care**

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** First trimester onset of prenatal care

**DEFINITION:** The percent of live-born infants whose mothers received prenatal care in the first trimester of pregnancy

**NUMERATOR:** The number of live births to women who received prenatal care during the first trimester the first trimester, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**

Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.  
(Baseline: 76 percent of live births in 1987) (Objective 14.11)\*

**RISK FACTORS FOR NOT OBTAINING EARLY PRENATAL CARE:**

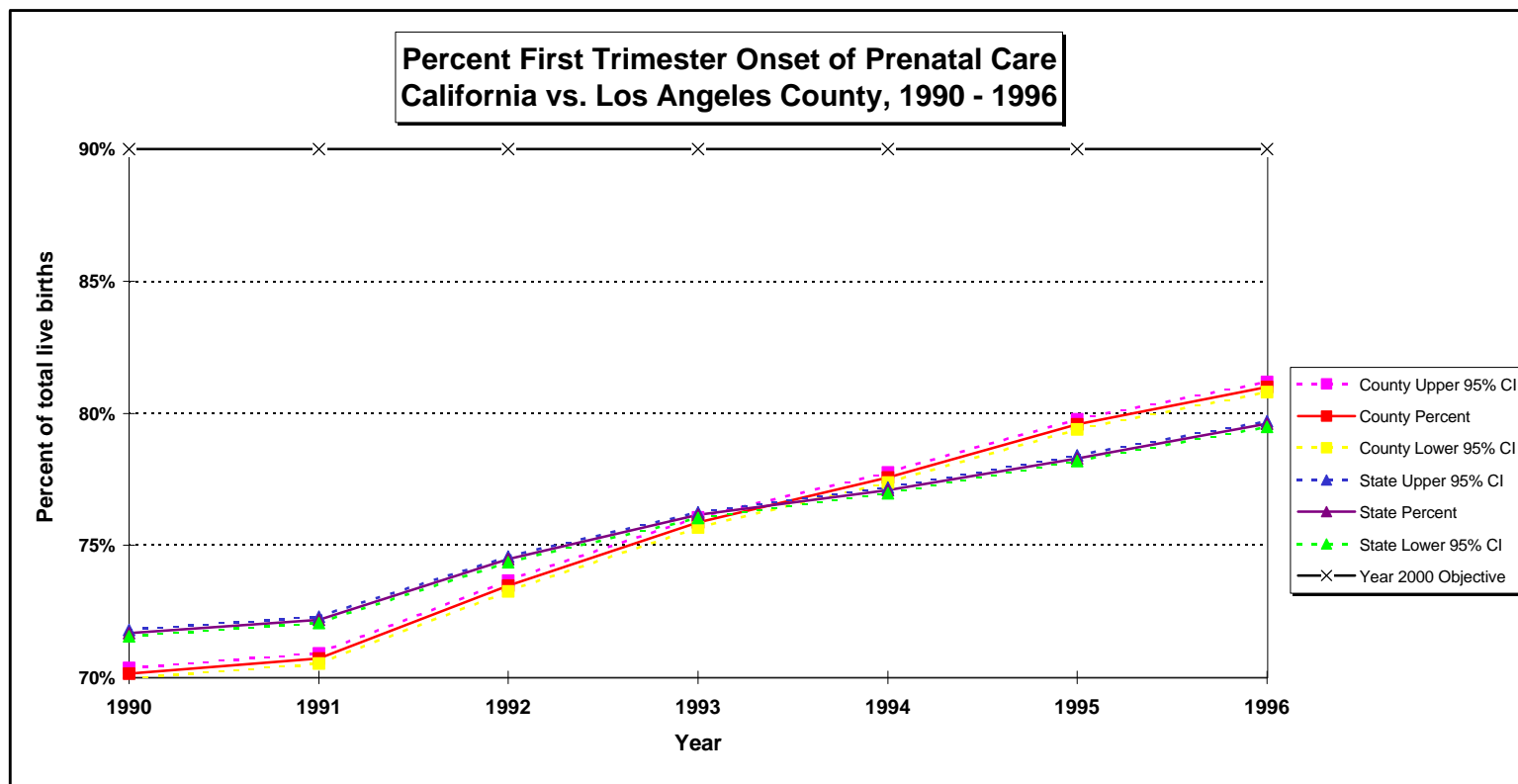
Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (Black, Hispanic, American Indian/Alaska Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

	California				Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
First Trimester Prenatal Care	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
1990	438,407	71.67%	71.56%	71.79%	143,195	70.15%	69.95%	70.35%
1991	439,733	72.18%	72.07%	72.29%	143,369	70.72%	70.52%	70.91%
1992	447,434	74.47%	74.36%	74.58%	145,029	73.46%	73.27%	73.66%
1993	445,079	76.15%	76.04%	76.26%	143,920	75.86%	75.67%	76.06%
1994	437,094	77.08%	76.97%	77.19%	139,928	77.57%	77.38%	77.76%
1995	431,572	78.29%	78.18%	78.40%	139,172	79.59%	79.40%	79.78%
1996	428,724	79.60%	79.49%	79.70%	136,863	81.00%	80.81%	81.18%

**Source:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

**Note:** \* This measure (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

First Trimester Prenatal Care	
DENOMINATOR: Live Births	
State	County
611,666	204,124
609,228	202,737
600,838	197,415
584,483	189,706
567,034	180,394
551,226	174,862
538,628	168,973

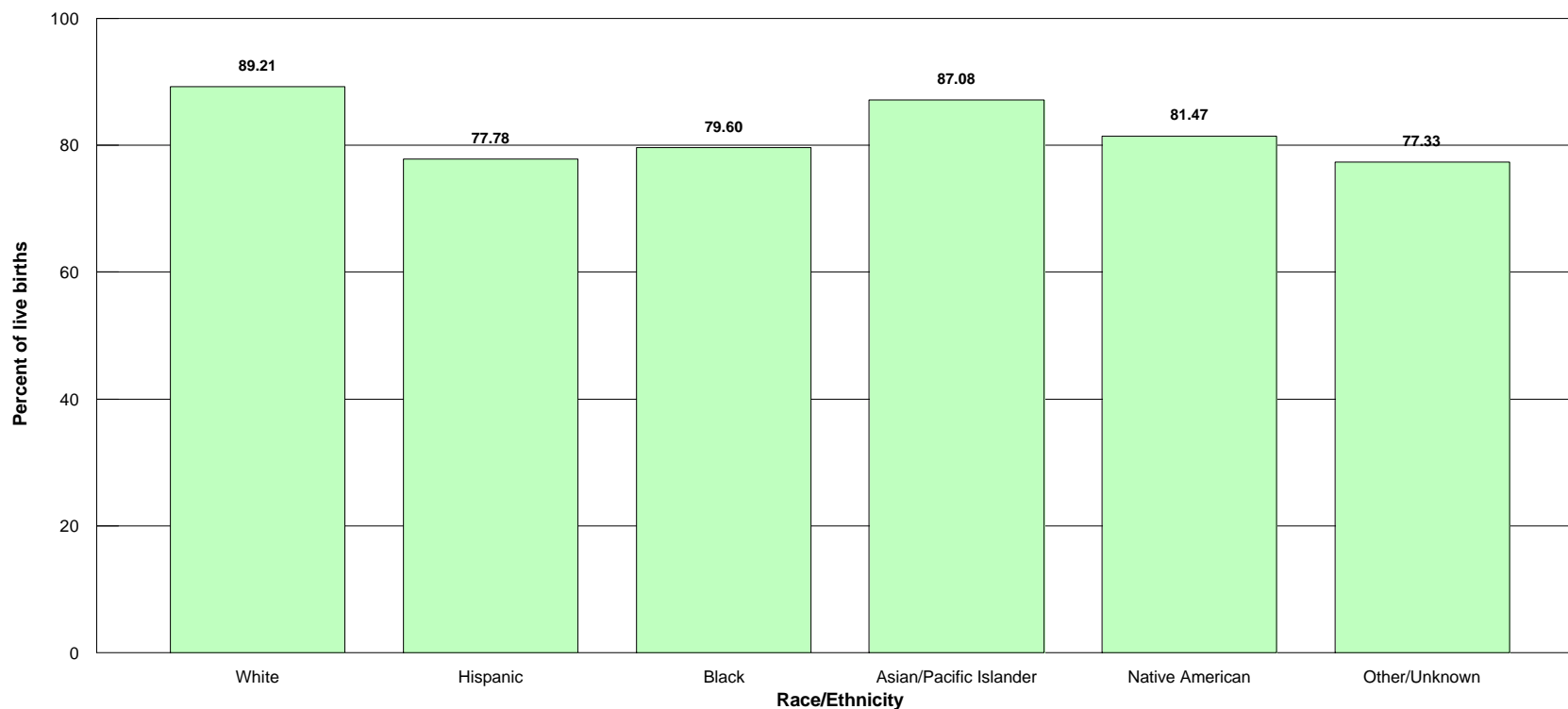


**Year 2000 Objective:** Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

**Source:** 1990-1996 birth records from California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Starting Prenatal Care in First Trimester by Mother's Race/Ethnicity\*

Los Angeles County, 1996



Live Births	Race/Ethnicity											
	White		Hispanic		Black		Asian**/Pacific Islander		Native American		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
First	28,681	89.21	81,807	77.78	12,086	79.60	13,802	87.08	255	81.47	232	77.33
Total	32,151	100.00	105,175	100.00	15,184	100.00	15,850	100.00	313	100.00	300	100.00

\* White, Black, Asian, Pacific Islander, Native American and other races exclude Hispanic ethnicity  
Hispanic includes any race category

\*\* Filipino is included in Asian

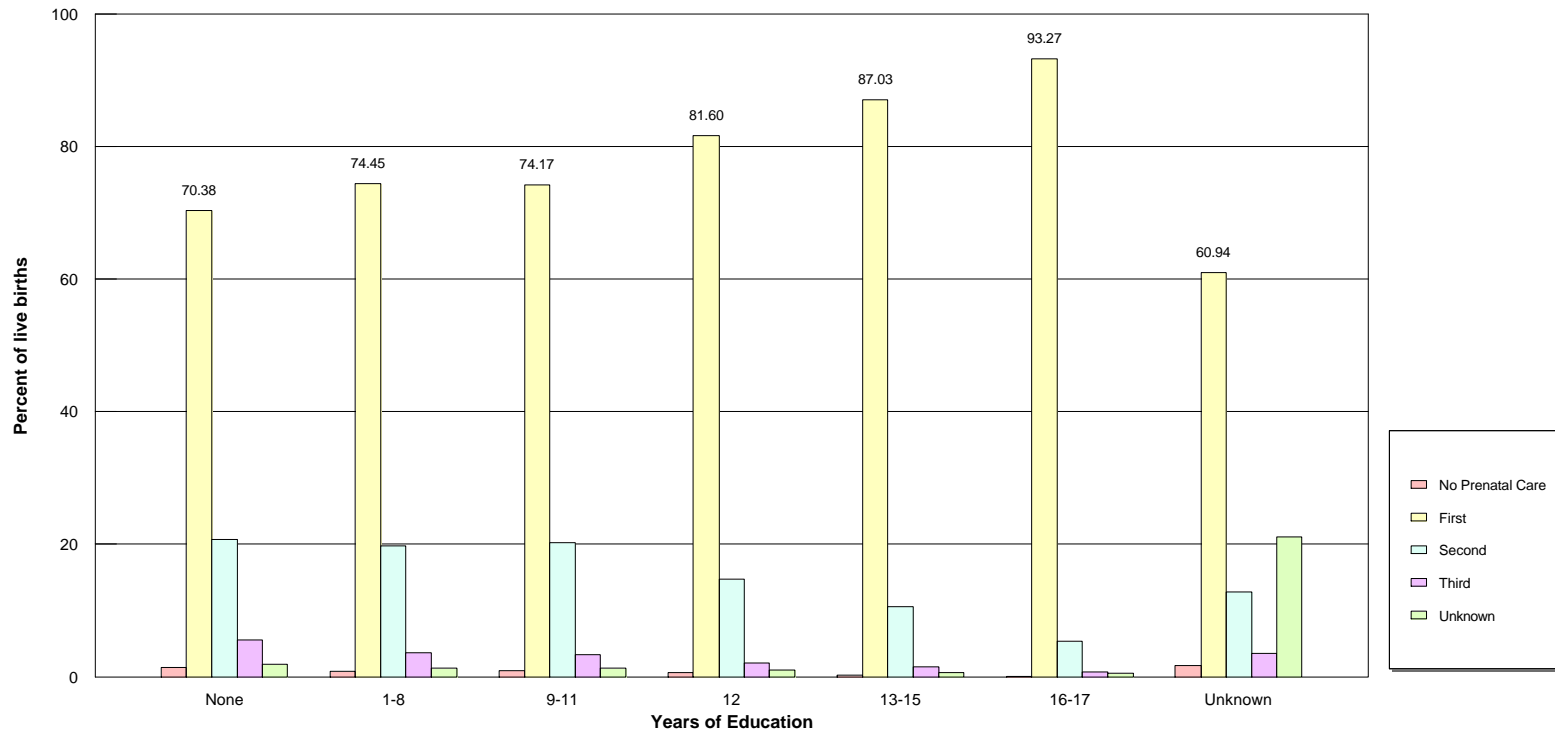
Year 2000 Objective: Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

Note: This measure (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births for Mother's Trimester Prenatal Care Began by Mother's Years of Education

Los Angeles County, 1996



Live Births	Years of Education													
	None		1 - 8		9 - 11		12		13 - 15		16 - 17		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No PNC	12	1.44	258	0.84	359	0.94	269	0.59	77	0.28	22	0.09	22	1.70
First	587	70.38	22,883	74.45	28,320	74.17	37,307	81.60	23,932	87.03	23,046	93.27	788	60.94
Second	173	20.74	6,081	19.78	7,738	20.27	6,723	14.70	2,907	10.57	1,328	5.37	166	12.84
Third	46	5.52	1,113	3.62	1,255	3.29	952	2.08	401	1.46	174	0.70	45	3.48
Unknown	16	1.92	403	1.31	508	1.33	471	1.03	180	0.65	139	0.56	272	21.04
Total	834	100.00	30,738	100.00	38,180	100.00	45,722	100.00	27,497	100.00	24,709	100.00	1,293	100.00

Year 2000 Objective: Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

PNC = 'Prenatal Care'

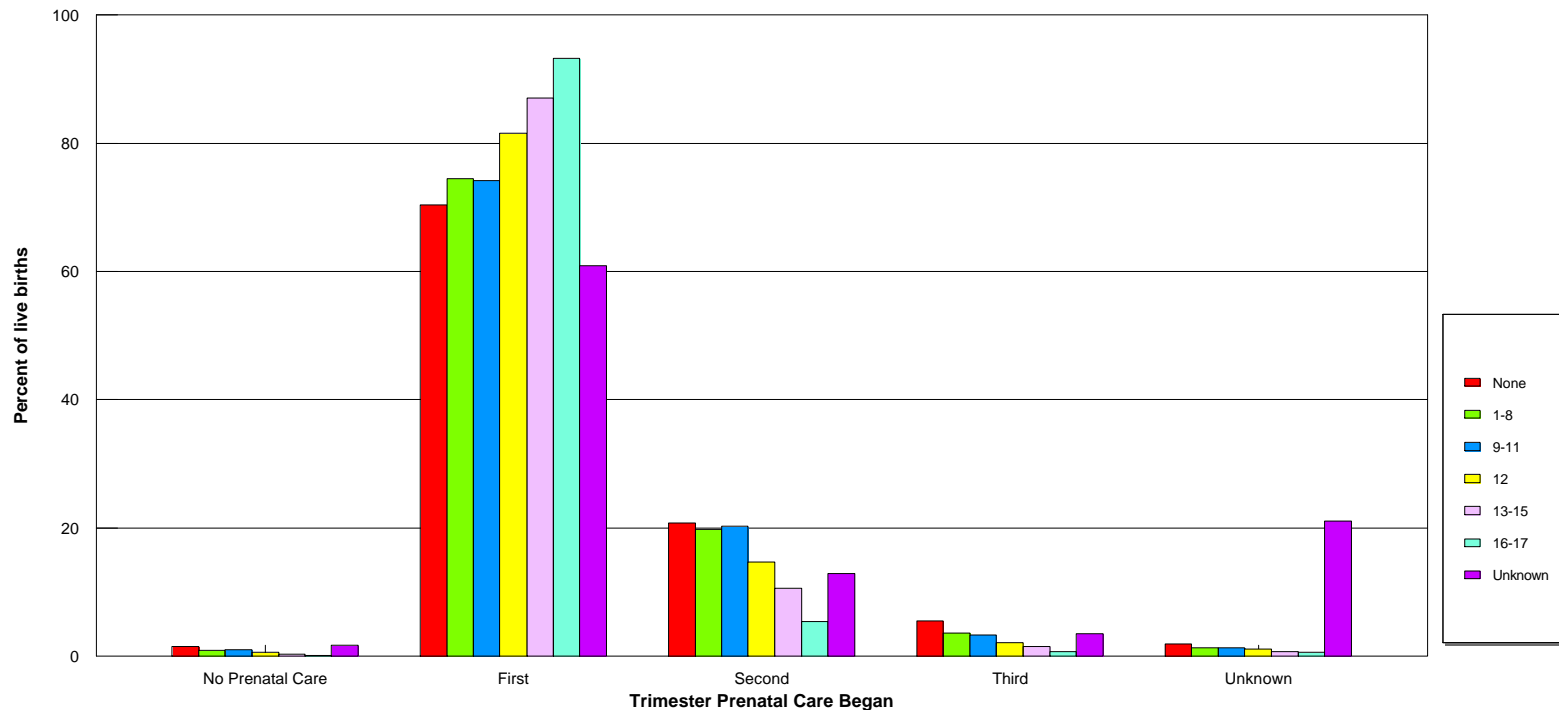
Year '17' = mothers who attained college degree and above

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



## Percent of Live Births for Mother's Trimester Prenatal Care Began by Mother's Years of Education

Los Angeles County, 1996



Live Births	Years of Education													
	None		1 - 8		9 - 11		12		13 - 15		16 - 17		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No PNC	12	1.44	258	0.84	359	0.94	269	0.59	77	0.28	22	0.09	22	1.70
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Year 2000 Objective: Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

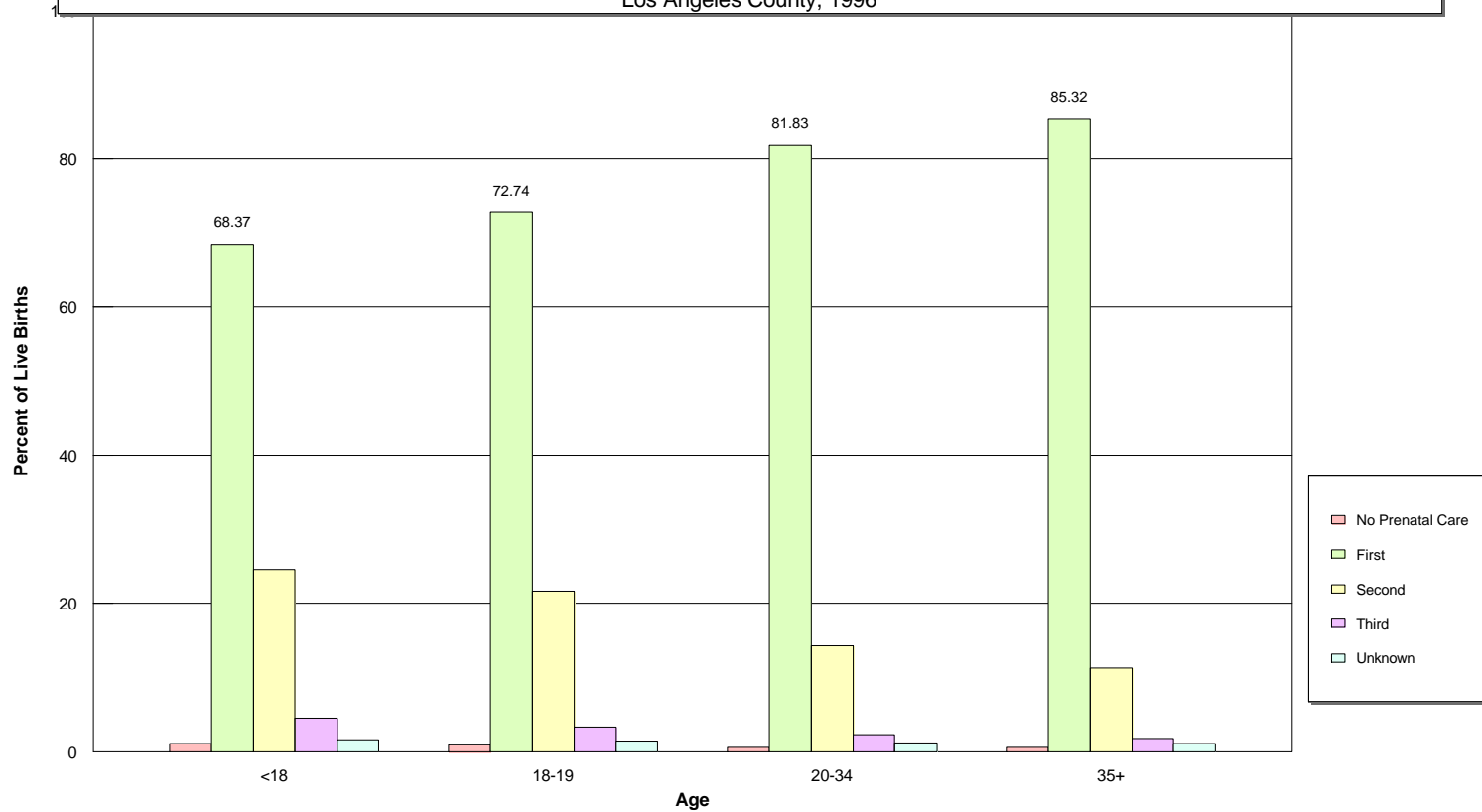
PNC = 'Prenatal Care'

Year '17' = mothers who attained college degree and above

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# Percent of Live Births for Mother's Trimester Prenatal Care Began by Mother's Age

Los Angeles County, 1996



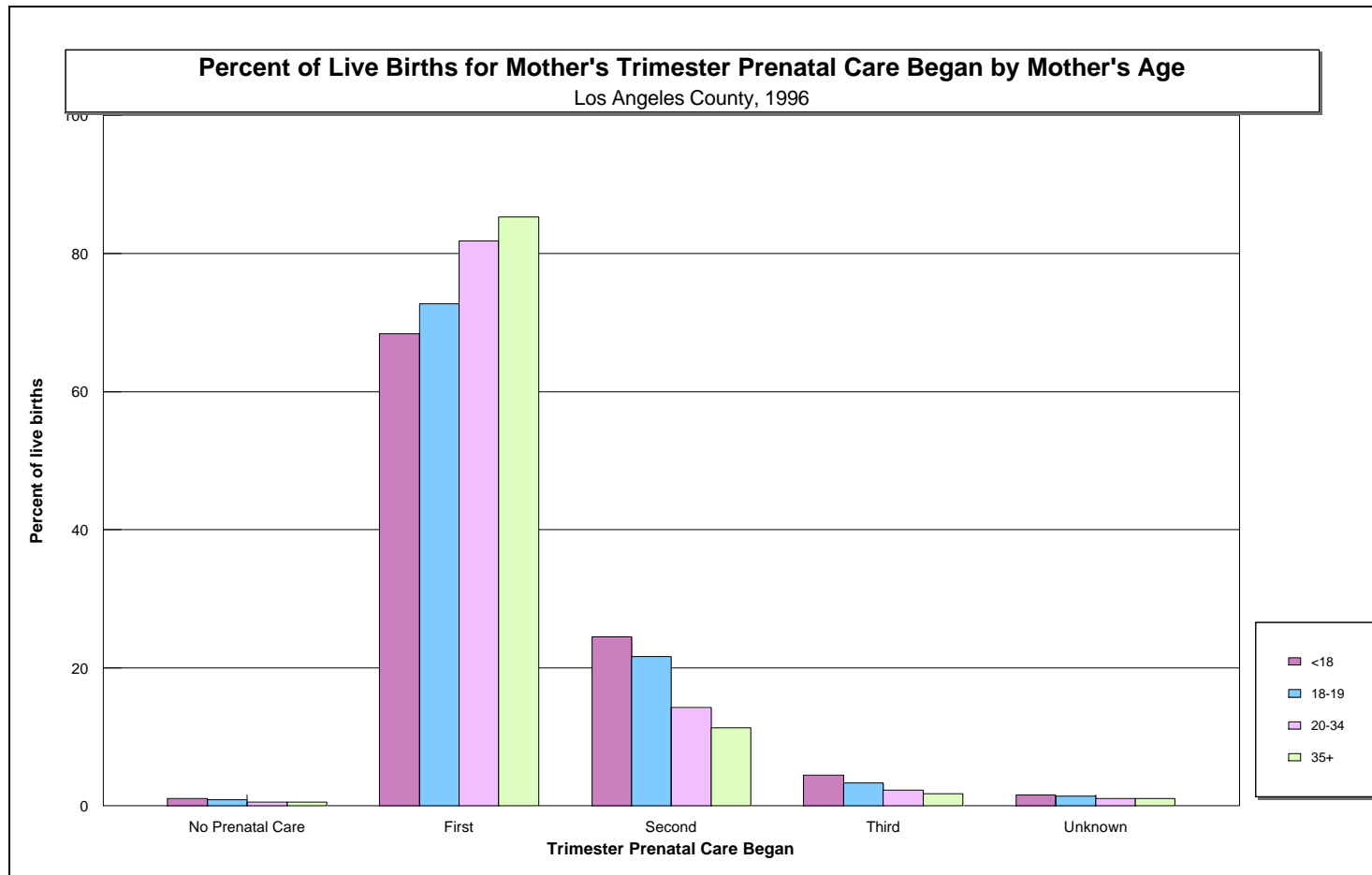
	Age									
	< 18		18 - 19		20 - 34		35+		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No PNC	86	1.05	108	0.88	698	0.56	127	0.54	0	0.00
First	5,619	68.37	8,887	72.74	102,147	81.83	20,179	85.32	31	53.45
Second	2,015	24.52	2,642	21.63	17,781	14.24	2,669	11.29	9	15.52
Third	367	4.47	404	3.31	2,801	2.24	413	1.75	1	1.72
Unknown	131	1.59	176	1.44	1,403	1.12	262	1.11	17	29.31
Total	8,218	100.00	12,217	100.00	124,830	100.00	23,650	100.00	58	100.00

Year 2000 Objective: Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Age									
	< 18		18 - 19		20 - 34		35+		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
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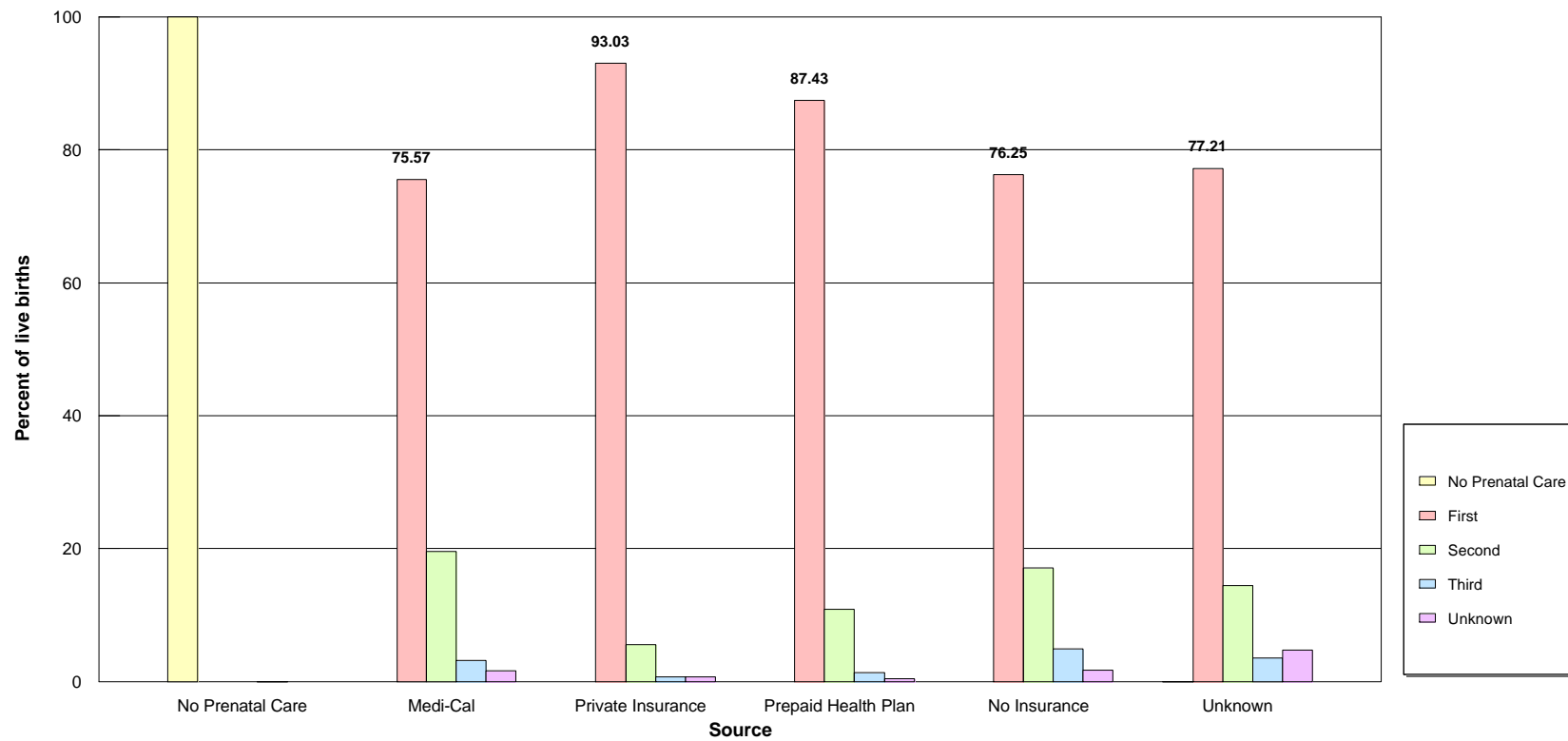
Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births for Mother's Trimester Prenatal Care Began by Source of Payment

Los Angeles County, 1996



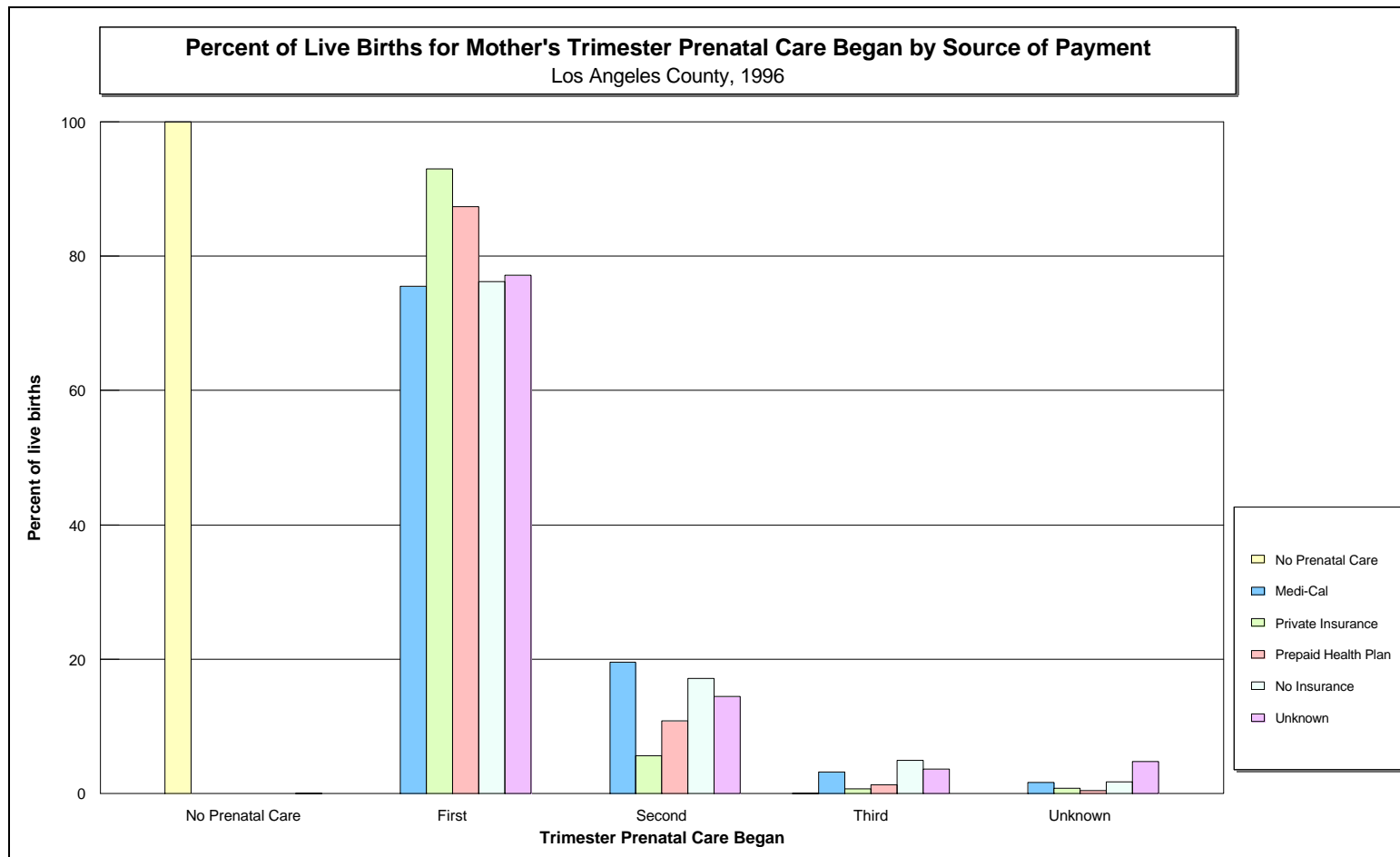
Live Births	Source of Payment											
	No Prenatal Care		Medi-Cal		Private Insurance		Prepaid Health Plan		No Insurance		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No PNC	1,019	100.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
First	0	0.00	67,576	75.57	22,386	93.03	41,885	87.43	3,769	76.25	1,247	77.21
Second	0	0.00	17,509	19.58	1,343	5.58	5,186	10.83	845	17.09	233	14.43
Third	0	0.00	2,887	3.23	162	0.67	637	1.33	242	4.90	58	3.59
Unknown	0	0.00	1,453	1.62	174	0.72	198	0.41	87	1.76	77	4.77
Total	1,019	100.00	89,425	100.00	24,065	100.00	47,906	100.00	4,943	100.00	1,615	100.00

Year 2000 Objective: Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Source of Payment											
	No Prenatal Care		Medi-Cal		Private Insurance		Prepaid Health Plan		No Insurance		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
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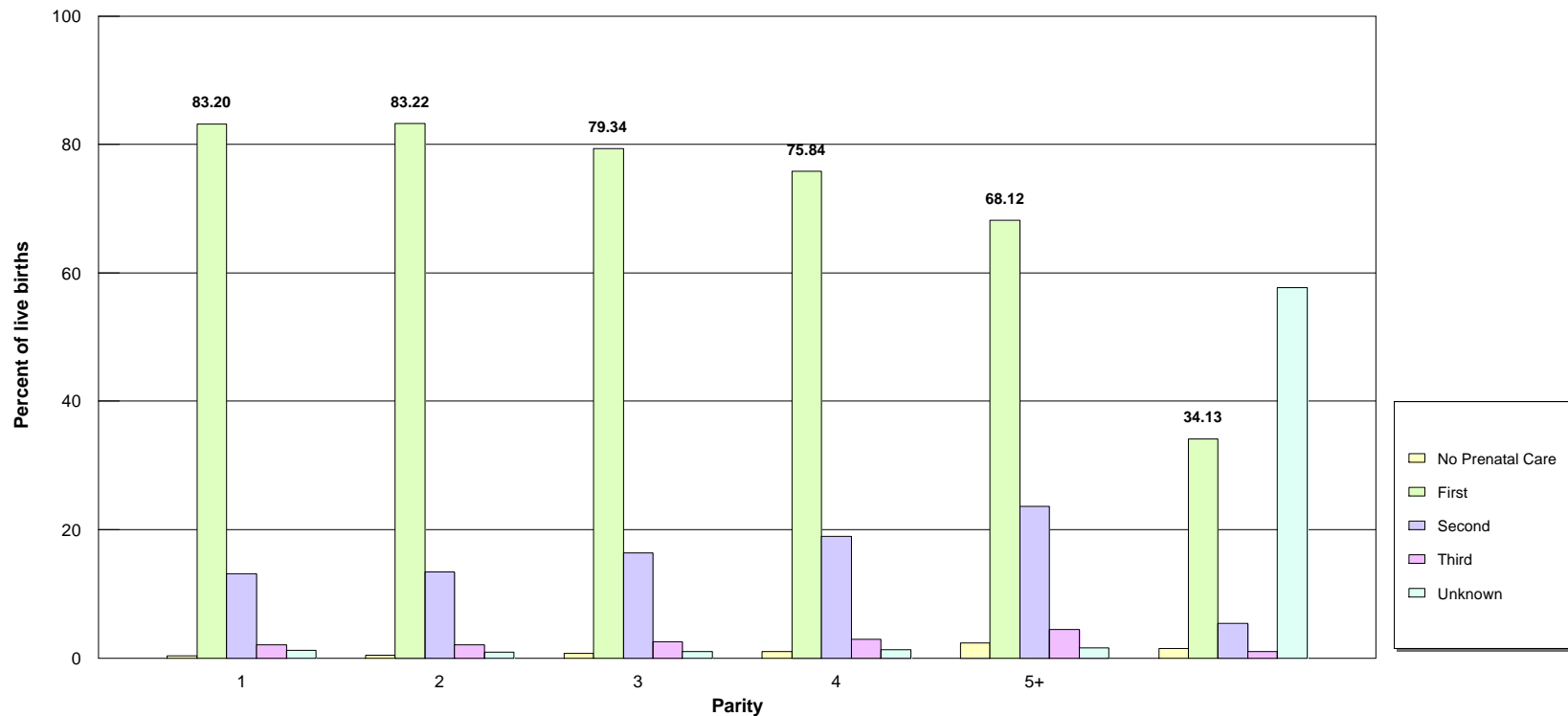
Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

### Percent of Live Births for Mother's Trimester Prenatal Care Began by Parity

Los Angeles County, 1996



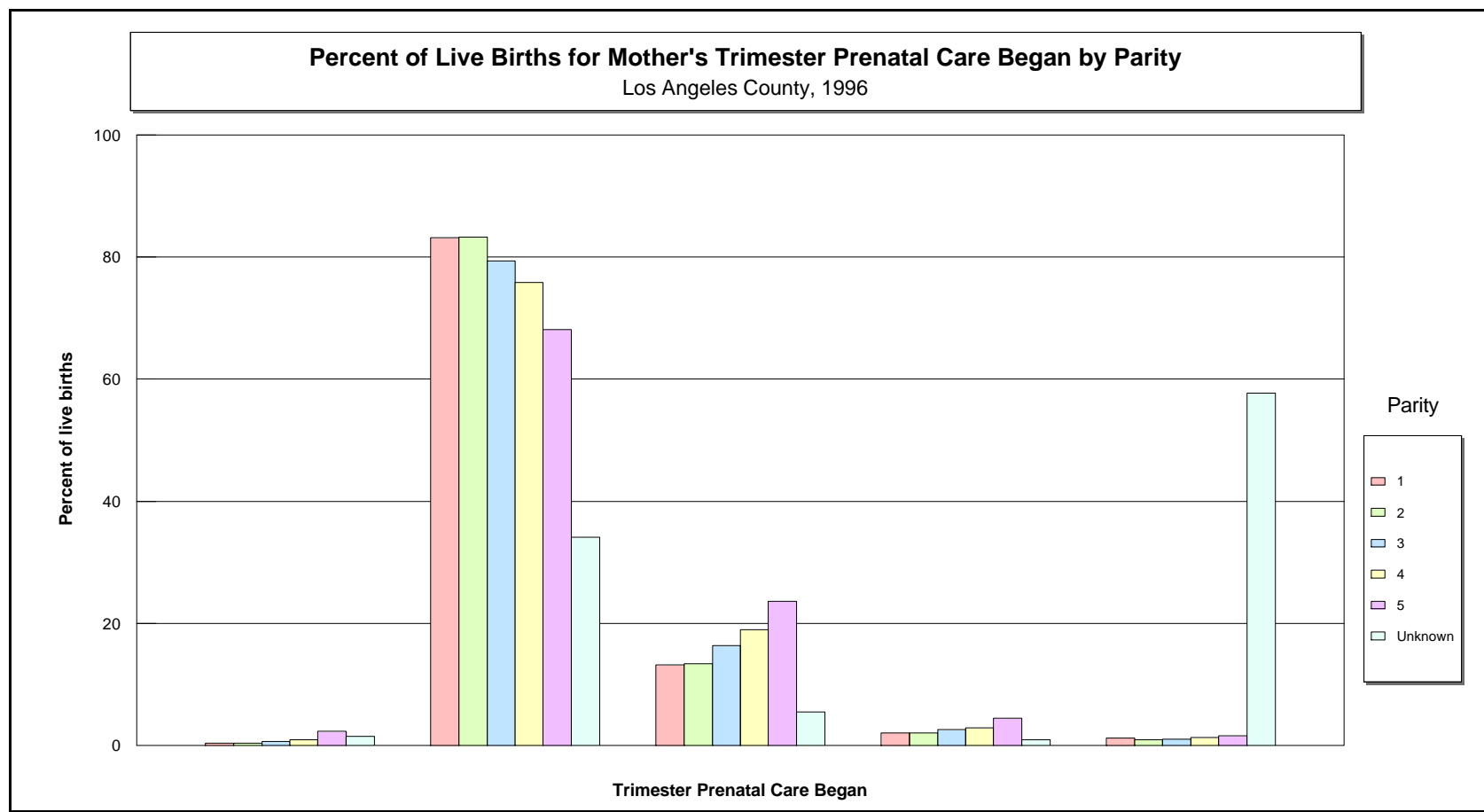
	Parity											
	1		2		3		4		5+		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No PNC	243	0.38	217	0.41	196	0.67	127	0.96	233	2.30	3	1.44
First	52,761	83.20	43,833	83.22	23,278	79.34	10,019	75.84	6,901	68.12	71	34.13
Second	8,345	13.16	7,055	13.39	4,813	16.40	2,503	18.95	2,388	23.57	12	5.44
Third	1,322	2.08	1,080	2.05	748	2.55	385	2.91	449	4.43	2	0.96
Unknown	746	1.18	484	0.92	304	1.04	176	1.33	159	1.57	120	57.69
Total	63,417	100.00	52,669	100.00	29,339	100.00	13,210	100.00	10,130	100.00	208	100.00

Year 2000 Objective: Increase to at least 90 percent the proportion of all pregnant women who receive prenatal care in the first trimester of pregnancy.

Note: 'Trimester Prenatal Care Began' (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Parity = number of pregnancies resulting in live births

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Parity											
	1		2		3		4		5+		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
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Parity = number of pregnancies resulting in live births

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# Entry Into Prenatal Care By Zip Code

Los Angeles County, 1996

Zip Code	Total Births	Number No Prenatal Care	Percent No Prenatal Care	1st Trimester Prenatal Care	% 1st Trimester Prenatal Care	2nd Trimester Prenatal Care	% 2nd Trimester Prenatal Care	3rd Trimester Prenatal Care	% 3rd Trimester Prenatal Care
90001	1,606	10	0.62	1,215	75.65	252	15.69	37	2.3
90002	1,083	10	0.92	840	77.56	178	16.44	25	2.31
90003	1,655	9	0.54	1,276	77.1	279	16.86	41	2.48
90004	1,297	9	0.69	1,027	79.18	217	16.73	39	3.01
90005	923	9	0.98	705	76.38	184	19.93	22	2.38
90006	1,420	11	0.77	1,069	75.28	290	20.42	44	3.1
90007	770	9	1.17	590	76.62	138	17.92	27	3.51
90008	482	4	0.83	387	80.29	74	15.35	13	2.7
90010	18	0	0	17	94.44	0	0	1	5.56
90011	2,993	29	0.97	2,156	72.03	658	21.98	113	3.78
90012	309	4	1.29	258	83.5	42	13.59	3	0.97
90013	37	1	2.7	27	72.97	8	21.62	1	2.7
90014	31	1	3.23	21	67.74	6	19.35	3	9.68
90015	356	4	1.12	255	71.63	70	19.66	24	6.74
90016	748	7	0.94	630	84.22	91	12.17	19	2.54
90017	462	3	0.65	325	70.35	114	24.68	18	3.9
90018	918	11	1.2	691	75.27	178	19.39	26	2.83
90019	1,090	16	1.47	849	77.89	187	17.16	27	2.48
90020	888	2	0.23	716	80.63	142	15.99	18	2.03
90021	53	0	0	39	73.58	11	20.75	3	5.66
90022	1,685	7	0.42	1,212	71.93	339	20.12	95	5.64
90023	1,274	8	0.63	943	74.02	263	20.64	48	3.77
90024	248	0	0	227	91.53	16	6.45	2	0.81
90025	447	3	0.67	390	87.25	40	8.95	7	1.57
90026	1,331	7	0.53	1,058	79.49	223	16.75	37	2.78
90027	625	3	0.48	490	78.4	104	16.64	24	3.84
90028	485	4	0.82	379	78.14	91	18.76	9	1.86
90029	858	6	0.7	678	79.02	150	17.48	23	2.68
90031	791	6	0.76	615	77.75	149	18.84	18	2.28
90032	885	4	0.45	692	78.19	155	17.51	27	3.05
90033	1,256	17	1.35	954	75.96	234	18.63	46	3.66
90034	952	2	0.21	808	84.87	108	11.34	20	2.1
90035	402	2	0.5	351	87.31	35	8.71	5	1.24
90036	391	1	0.26	345	88.24	35	8.95	5	1.28
90037	1,448	10	0.69	1,077	74.38	304	20.99	48	3.31
90038	643	4	0.62	503	78.23	117	18.2	17	2.64
90039	442	1	0.23	363	82.13	65	14.71	10	2.26
90040	239	1	0.42	192	80.33	39	16.32	7	2.93
90041	357	1	0.28	311	87.11	37	10.36	7	1.96
90042	1,382	6	0.43	1,109	80.25	230	16.64	33	2.39
90043	673	4	0.59	527	78.31	109	16.2	19	2.82

Source:

Los Angeles County - Department of Health Services, Family Health Programs, MCAH Assessment & Planning Unit  
1996 births records from the California Department of Health Services, Health Data and Statistics Branch



# Entry Into Prenatal Care By Zip Code

Los Angeles County, 1996

Zip Code	Total Births	Number No Prenatal Care	Percent No Prenatal Care	1st Trimester Prenatal Care	% 1st Trimester Prenatal Care	2nd Trimester Prenatal Care	% 2nd Trimester Prenatal Care	3rd Trimester Prenatal Care	% 3rd Trimester Prenatal Care
90044	2,080	16	0.77	1,567	75.34	395	18.99	72	3.46
90045	600	0	0	534	89	46	7.67	9	1.5
90046	335	0	0	299	89.25	31	9.25	2	0.6
90047	794	8	1.01	638	80.35	120	15.11	21	2.64
90048	204	1	0.49	187	91.67	9	4.41	3	1.47
90049	282	0	0	267	94.68	6	2.13	1	0.35
90056	73	0	0	65	89.04	7	9.59	0	0
90057	994	10	1.01	757	76.16	190	19.11	35	3.52
90058	108	1	0.93	75	69.44	23	21.3	4	3.7
90059	979	5	0.51	810	82.74	128	13.07	21	2.15
90061	600	4	0.67	455	75.83	119	19.83	10	1.67
90062	543	4	0.74	425	78.27	91	16.76	20	3.68
90063	1,445	11	0.76	1,071	74.12	264	18.27	76	5.26
90064	313	1	0.32	280	89.46	24	7.67	5	1.6
90065	969	6	0.62	739	76.26	193	19.92	28	2.89
90066	914	2	0.22	774	84.68	106	11.6	14	1.53
90067	18	0	0	16	88.89	1	5.56	1	5.56
90068	217	0	0	198	91.24	14	6.45	4	1.84
90069	120	1	0.83	108	90	8	6.67	2	1.67
90071	6	0	0	5	83.33	0	0	0	0
90077	95	0	0	90	94.74	1	1.05	1	1.05
90081	1	0	0	1	100	0	0	0	0
90089	1	0	0	1	100	0	0	0	0
90201	2,940	14	0.48	2,236	76.05	479	16.29	92	3.13
90203	1	0	0	1	100	0	0	0	0
90205	1	0	0	1	100	0	0	0	0
90207	1	0	0	1	100	0	0	0	0
90210	192	0	0	184	95.83	5	2.6	0	0
90211	63	0	0	62	98.41	1	1.59	0	0
90212	91	0	0	82	90.11	7	7.69	0	0
90219	1	0	0	1	100	0	0	0	0
90220	1,176	12	1.02	949	80.7	168	14.29	27	2.3
90221	1,497	12	0.8	1,155	77.15	247	16.5	34	2.27
90222	785	5	0.64	629	80.13	115	14.65	15	1.91
90225	1	0	0	0	0	0	0	0	0
90227	1	0	0	1	100	0	0	0	0
90230	465	0	0	393	84.52	61	13.12	4	0.86
90232	167	0	0	146	87.43	19	11.38	0	0
90240	347	1	0.29	282	81.27	48	13.83	5	1.44
90241	670	2	0.3	567	84.63	79	11.79	10	1.49

Source:

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Los Angeles County, 1996

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90242	756	8	1.06	619	81.88	104	13.76	17	2.25
90243	1	0	0	1	100	0	0	0	0
90245	215	1	0.47	199	92.56	11	5.12	0	0
90246	1	0	0	1	100	0	0	0	0
90247	888	7	0.79	724	81.53	131	14.75	22	2.48
90248	161	1	0.62	139	86.34	21	13.04	0	0
90249	454	7	1.54	362	79.74	73	16.08	12	2.64
90250	1,967	7	0.36	1,599	81.29	280	14.23	46	2.34
90254	215	0	0	207	96.28	7	3.26	1	0.47
90255	2,005	11	0.55	1,558	77.71	278	13.87	50	2.49
90256	1	0	0	1	100	0	0	0	0
90258	1	0	0	1	100	0	0	0	0
90260	681	3	0.44	559	82.09	93	13.66	17	2.5
90262	1,891	13	0.69	1,536	81.23	271	14.33	27	1.43
90265	170	0	0	161	94.71	6	3.53	1	0.59
90266	445	2	0.45	430	96.63	12	2.7	1	0.22
90270	777	4	0.51	609	78.38	110	14.16	24	3.09
90272	252	0	0	237	94.05	12	4.76	0	0
90273	1	0	0	1	100	0	0	0	0
90274	223	0	0	217	97.31	5	2.24	0	0
90275	322	0	0	309	95.96	11	3.42	1	0.31
90277	417	1	0.24	395	94.72	16	3.84	4	0.96
90278	609	2	0.33	563	92.45	38	6.24	6	0.99
90280	2,432	11	0.45	1,897	78	359	14.76	58	2.38
90290	58	0	0	53	91.38	4	6.9	0	0
90291	411	1	0.24	345	83.94	48	11.68	5	1.22
90292	154	0	0	139	90.26	10	6.49	2	1.3
90293	114	1	0.88	105	92.11	5	4.39	0	0
90301	837	6	0.72	645	77.06	156	18.64	16	1.91
90302	558	1	0.18	447	80.11	86	15.41	11	1.97
90303	632	5	0.79	469	74.21	121	19.15	24	3.8
90304	818	6	0.73	630	77.02	128	15.65	38	4.65
90305	185	2	1.08	150	81.08	29	15.68	3	1.62
90401	44	0	0	37	84.09	6	13.64	0	0
90402	132	0	0	117	88.64	4	3.03	4	3.03
90403	195	0	0	176	90.26	11	5.64	3	1.54
90404	255	0	0	209	81.96	40	15.69	1	0.39
90405	271	0	0	246	90.77	15	5.54	0	0
90501	752	1	0.13	630	83.78	103	13.7	16	2.13
90502	244	1	0.41	203	83.2	35	14.34	5	2.05
90503	503	1	0.2	460	91.45	33	6.56	9	1.79
90504	395	2	0.51	350	88.61	31	7.85	7	1.77
90505	433	1	0.23	405	93.53	23	5.31	4	0.92

Source:

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Los Angeles County, 1996

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90601	528	2	0.38	448	84.85	59	11.17	13	2.46
90602	547	2	0.37	437	79.89	64	11.7	17	3.11
90603	242	1	0.41	216	89.26	20	8.26	3	1.24
90604	669	5	0.75	547	81.76	78	11.66	20	2.99
90605	739	2	0.27	574	77.67	116	15.7	15	2.03
90606	656	6	0.91	527	80.34	89	13.57	12	1.83
90620	1	0	0	1	100	0	0	0	0
90623	2	0	0	2	100	0	0	0	0
90628	1	0	0	1	100	0	0	0	0
90630	1	0	0	1	100	0	0	0	0
90631	31	0	0	29	93.55	2	6.45	0	0
90638	593	0	0	520	87.69	58	9.78	9	1.52
90639	1	0	0	1	100	0	0	0	0
90640	1,177	1	0.08	944	80.2	180	15.29	34	2.89
90642	1	0	0	1	100	0	0	0	0
90650	1,968	9	0.46	1,564	79.47	312	15.85	61	3.1
90660	1,171	5	0.43	930	79.42	172	14.69	27	2.31
90670	237	0	0	204	86.08	27	11.39	5	2.11
90701	305	1	0.33	243	79.67	49	16.07	8	2.62
90703	463	1	0.22	410	88.55	43	9.29	6	1.3
90704	79	1	1.27	66	83.54	8	10.13	3	3.8
90706	1,361	9	0.66	1,111	81.63	177	13.01	33	2.42
90710	405	1	0.25	344	84.94	51	12.59	8	1.98
90712	439	1	0.23	378	86.1	51	11.62	6	1.37
90713	390	3	0.77	343	87.95	34	8.72	5	1.28
90715	356	1	0.28	287	80.62	58	16.29	7	1.97
90716	381	3	0.79	265	69.55	89	23.36	19	4.99
90717	380	3	0.79	312	82.11	54	14.21	11	2.89
90720	2	0	0	2	100	0	0	0	0
90723	1,476	8	0.54	1,159	78.52	229	15.51	39	2.64
90731	1,105	11	1	844	76.38	185	16.74	59	5.34
90732	261	0	0	241	92.34	16	6.13	4	1.53
90735	1	0	0	1	100	0	0	0	0
90744	1,293	14	1.08	1,028	79.51	207	16.01	41	3.17
90745	924	6	0.65	758	82.03	134	14.5	23	2.49
90746	313	5	1.6	254	81.15	42	13.42	11	3.51
90747	1	0	0	0	0	1	100	0	0
90800	1	0	0	1	100	0	0	0	0
90802	772	16	2.07	592	76.68	133	17.23	21	2.72
90803	299	1	0.33	266	88.96	25	8.36	5	1.67
90804	904	7	0.77	715	79.09	149	16.48	20	2.21

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90805	1,973	18	0.91	1,511	76.58	344	17.44	63	3.19
90806	1,058	10	0.95	807	76.28	195	18.43	29	2.74
90807	471	3	0.64	410	87.05	45	9.55	6	1.27
90808	495	1	0.2	452	91.31	29	5.86	4	0.81
90810	677	6	0.89	530	78.29	116	17.13	19	2.81
90812	6	0	0	4	66.67	1	16.67	0	0
90813	1,697	42	2.47	1,238	72.95	336	19.8	61	3.59
90814	275	0	0	247	89.82	21	7.64	1	0.36
90815	468	2	0.43	436	93.16	28	5.98	1	0.21
90816	2	1	50	0	0	1	50	0	0
90817	1	0	0	0	0	1	100	0	0
90820	1	0	0	1	100	0	0	0	0
91000	1	0	0	0	0	0	0	1	100
91001	511	3	0.59	440	86.11	60	11.74	7	1.37
91004	1	0	0	1	100	0	0	0	0
91006	326	0	0	299	91.72	22	6.75	3	0.92
91007	315	1	0.32	282	89.52	23	7.3	5	1.59
91010	499	0	0	414	82.97	69	13.83	13	2.61
91011	165	0	0	157	95.15	5	3.03	1	0.61
91016	747	1	0.13	670	89.69	60	8.03	14	1.87
91020	101	0	0	97	96.04	4	3.96	0	0
91024	120	0	0	111	92.5	9	7.5	0	0
91030	277	2	0.72	249	89.89	24	8.66	2	0.72
91032	1	0	0	1	100	0	0	0	0
91040	274	1	0.36	246	89.78	22	8.03	3	1.09
91042	394	1	0.25	337	85.53	47	11.93	6	1.52
91065	1	0	0	1	100	0	0	0	0
91100	1	0	0	1	100	0	0	0	0
91101	288	0	0	242	84.03	36	12.5	7	2.43
91103	606	7	1.16	474	78.22	101	16.67	19	3.14
91104	738	0	0	617	83.6	95	12.87	19	2.57
91105	108	1	0.93	97	89.81	9	8.33	0	0
91106	373	2	0.54	314	84.18	43	11.53	11	2.95
91107	436	1	0.23	384	88.07	39	8.94	8	1.83
91108	128	0	0	118	92.19	8	6.25	1	0.78
91123	1	0	0	1	100	0	0	0	0
91173	2	0	0	2	100	0	0	0	0
91201	337	1	0.3	295	87.54	32	9.5	8	2.37
91202	185	0	0	166	89.73	14	7.57	4	2.16
91203	218	0	0	192	88.07	21	9.63	5	2.29
91204	326	1	0.31	255	78.22	61	18.71	7	2.15

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91205	612	1	0.16	497	81.21	101	16.5	11	1.8
91206	377	1	0.27	345	91.51	27	7.16	2	0.53
91207	101	0	0	97	96.04	1	0.99	3	2.97
91208	198	0	0	186	93.94	12	6.06	0	0
91213	1	0	0	1	100	0	0	0	0
91214	343	0	0	309	90.09	25	7.29	5	1.46
91280	1	0	0	1	100	0	0	0	0
91301	363	1	0.28	344	94.77	15	4.13	1	0.28
91302	228	0	0	216	94.74	10	4.39	0	0
91303	509	5	0.98	399	78.39	90	17.68	15	2.95
91304	834	1	0.12	682	81.77	130	15.59	19	2.28
91306	733	4	0.55	606	82.67	105	14.32	15	2.05
91307	283	0	0	265	93.64	16	5.65	1	0.35
91311	366	4	1.09	327	89.34	30	8.2	5	1.37
91314	3	1	33.33	0	0	1	33.33	1	33.33
91316	290	0	0	264	91.03	24	8.28	0	0
91320	1	0	0	0	0	1	100	0	0
91321	523	1	0.19	437	83.56	80	15.3	5	0.96
91323	1	1	100	0	0	0	0	0	0
91324	324	2	0.62	255	78.7	56	17.28	9	2.78
91325	368	3	0.82	303	82.34	51	13.86	11	2.99
91326	249	1	0.4	228	91.57	19	7.63	1	0.4
91330	1	0	0	1	100	0	0	0	0
91331	2,269	15	0.66	1,701	74.97	496	21.86	53	2.34
91335	1,064	4	0.38	870	81.77	162	15.23	26	2.44
91340	774	5	0.65	634	81.91	117	15.12	18	2.33
91342	1,465	7	0.48	1,167	79.66	253	17.27	36	2.46
91343	1,016	2	0.2	830	81.69	167	16.44	13	1.28
91344	540	1	0.19	473	87.59	55	10.19	10	1.85
91345	277	2	0.72	235	84.84	38	13.72	2	0.72
91349	2	0	0	2	100	0	0	0	0
91350	522	0	0	490	93.87	28	5.36	2	0.38
91351	969	3	0.31	870	89.78	79	8.15	16	1.65
91352	983	7	0.71	739	75.18	203	20.65	34	3.46
91354	206	0	0	195	94.66	9	4.37	1	0.49
91355	362	1	0.28	346	95.58	15	4.14	0	0
91356	318	0	0	289	90.88	26	8.18	1	0.31
91360	1	0	0	1	100	0	0	0	0
91361	48	0	0	48	100	0	0	0	0
91362	6	0	0	5	83.33	1	16.67	0	0
91364	307	1	0.33	279	90.88	23	7.49	2	0.65

Source:

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91367	387	1	0.26	358	92.51	22	5.68	4	1.03
91381	99	0	0	93	93.94	5	5.05	1	1.01
91384	263	0	0	232	88.21	30	11.41	1	0.38
91401	659	2	0.3	535	81.18	109	16.54	10	1.52
91402	1,495	10	0.67	1,137	76.05	309	20.67	34	2.27
91403	227	1	0.44	203	89.43	17	7.49	4	1.76
91404	1	0	0	0	0	1	100	0	0
91405	1,094	4	0.37	854	78.06	204	18.65	27	2.47
91406	967	5	0.52	781	80.77	155	16.03	22	2.28
91411	477	0	0	386	80.92	80	16.77	7	1.47
91423	288	1	0.35	272	94.44	11	3.82	4	1.39
91436	128	0	0	121	94.53	3	2.34	3	2.34
91437	1	0	0	0	0	0	0	1	100
91501	218	0	0	190	87.16	24	11.01	3	1.38
91502	214	2	0.93	184	85.98	22	10.28	6	2.8
91504	350	0	0	312	89.14	35	10	3	0.86
91505	343	1	0.29	299	87.17	40	11.66	3	0.87
91506	237	0	0	212	89.45	19	8.02	3	1.27
91522	2	0	0	2	100	0	0	0	0
91523	1	0	0	1	100	0	0	0	0
91551	1	0	0	1	100	0	0	0	0
91563	1	0	0	1	100	0	0	0	0
91600	1	0	0	0	0	0	0	0	0
91601	681	7	1.03	549	80.62	110	16.15	15	2.2
91602	201	1	0.5	179	89.05	18	8.96	2	1
91604	261	2	0.77	243	93.1	13	4.98	2	0.77
91605	1,195	12	1	936	78.33	211	17.66	33	2.76
91606	846	2	0.24	675	79.79	156	18.44	12	1.42
91607	332	2	0.6	298	89.76	30	9.04	2	0.6
91631	1	0	0	1	100	0	0	0	0
91701	1	0	0	1	100	0	0	0	0
91702	1,303	6	0.46	1,012	77.67	244	18.73	38	2.92
91704	1	0	0	1	100	0	0	0	0
91705	1	0	0	1	100	0	0	0	0
91706	1,857	12	0.65	1,506	81.1	304	16.37	33	1.78
91711	277	1	0.36	244	88.09	26	9.39	5	1.81
91722	580	5	0.86	483	83.28	78	13.45	13	2.24
91723	314	2	0.64	260	82.8	45	14.33	5	1.59
91724	330	4	1.21	282	85.45	38	11.52	4	1.21
91727	1	0	0	0	0	1	100	0	0
91731	672	7	1.04	548	81.55	97	14.43	18	2.68

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Los Angeles County, 1996

Zip Code	Total Births	Number No Prenatal Care	Percent No Prenatal Care	1st Trimester Prenatal Care	% 1st Trimester Prenatal Care	2nd Trimester Prenatal Care	% 2nd Trimester Prenatal Care	3rd Trimester Prenatal Care	% 3rd Trimester Prenatal Care
91732	1,538	15	0.98	1,222	79.45	277	18.01	21	1.37
91733	1,190	10	0.84	951	79.92	187	15.71	35	2.94
91739	1	1	100	0	0	0	0	0	0
91740	403	1	0.25	342	84.86	58	14.39	1	0.25
91741	241	0	0	223	92.53	14	5.81	3	1.24
91742	1	0	0	1	100	0	0	0	0
91744	1,957	12	0.61	1,494	76.34	383	19.57	54	2.76
91745	687	0	0	579	84.28	92	13.39	7	1.02
91746	630	8	1.27	497	78.89	111	17.62	11	1.75
91748	656	2	0.3	543	82.77	85	12.96	16	2.44
91750	402	2	0.5	354	88.06	41	10.2	4	1
91754	502	1	0.2	434	86.45	53	10.56	9	1.79
91755	340	0	0	302	88.82	33	9.71	5	1.47
91758	1	0	0	0	0	1	100	0	0
91762	1	0	0	0	0	1	100	0	0
91764	1	0	0	1	100	0	0	0	0
91765	593	0	0	531	89.54	49	8.26	10	1.69
91766	1,685	34	2.02	1,202	71.34	370	21.96	69	4.09
91767	1,006	16	1.59	734	72.96	214	21.27	34	3.38
91768	668	7	1.05	509	76.2	127	19.01	22	3.29
91770	1,177	1	0.08	1,015	86.24	128	10.88	21	1.78
91771	3	0	0	3	100	0	0	0	0
91773	409	0	0	360	88.02	42	10.27	6	1.47
91775	318	1	0.31	286	89.94	24	7.55	5	1.57
91776	630	1	0.16	547	86.83	71	11.27	6	0.95
91780	452	1	0.22	406	89.82	34	7.52	7	1.55
91789	450	3	0.67	394	87.56	47	10.44	5	1.11
91790	770	7	0.91	651	84.55	96	12.47	14	1.82
91791	445	2	0.45	368	82.7	56	12.58	14	3.15
91792	541	1	0.18	451	83.36	81	14.97	8	1.48
91801	821	0	0	713	86.85	91	11.08	11	1.34
91803	457	0	0	403	88.18	49	10.72	4	0.88
91805	2	0	0	2	100	0	0	0	0
91831	1	0	0	0	0	1	100	0	0
91916	1	0	0	1	100	0	0	0	0
92509	1	0	0	1	100	0	0	0	0
92650	1	0	0	1	100	0	0	0	0
92801	1	0	0	1	100	0	0	0	0
92821	1	0	0	1	100	0	0	0	0
92856	1	0	0	0	0	1	100	0	0
93065	4	0	0	4	100	0	0	0	0

Source:

Los Angeles County - Department of Health Services, Family Health Programs, MCAH Assessment & Planning Unit  
1996 births records from the California Department of Health Services, Health Data and Statistics Branch

Los Angeles County - Department of Health Services

# Entry Into Prenatal Care By Zip Code

Los Angeles County, 1996

Zip Code	Total Births	Number No Prenatal Care	Percent No Prenatal Care	1st Trimester Prenatal Care	% 1st Trimester Prenatal Care	2nd Trimester Prenatal Care	% 2nd Trimester Prenatal Care	3rd Trimester Prenatal Care	% 3rd Trimester Prenatal Care
93351	1	0	0	1	100	0	0	0	0
93510	84	1	1.19	69	82.14	13	15.48	1	1.19
93532	36	0	0	32	88.89	3	8.33	0	0
93533	1	0	0	1	100	0	0	0	0
93534	663	4	0.6	506	76.32	136	20.51	16	2.41
93535	960	8	0.83	751	78.23	178	18.54	23	2.4
93536	582	2	0.34	473	81.27	93	15.98	13	2.23
93543	185	0	0	137	74.05	40	21.62	8	4.32
93544	18	3	16.67	7	38.89	6	33.33	2	11.11
93550	1,352	9	0.67	1,053	77.88	255	18.86	33	2.44
93551	478	2	0.42	415	86.82	49	10.25	9	1.88
93552	353	0	0	298	84.42	51	14.45	4	1.13
93553	28	1	3.57	16	57.14	7	25	4	14.29
93563	1	0	0	1	100	0	0	0	0
93581	1	0	0	1	100	0	0	0	0
93591	74	0	0	55	74.32	19	25.68	0	0
94201	1	0	0	1	100	0	0	0	0
95335	1	0	0	1	100	0	0	0	0
97190	1	0	0	1	100	0	0	0	0

Source:

Los Angeles County - Department of Health Services, Family Health Programs, MCAH Assessment & Planning Unit  
1996 births records from the California Department of Health Services, Health Data and Statistics Branch



## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Adequacy of prenatal care

**DEFINITION:** The percent of live-born infants whose mothers did not receive adequate prenatal care as defined by the Kessner Index

**NUMERATOR:** The number of live births to women who received "not adequate" care (as defined by the Kessner Index) by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**  
None

**RISK FACTORS FOR INADEQUATE PRENATAL CARE:**

Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (Black, Hispanic, American Indian/Alaska Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

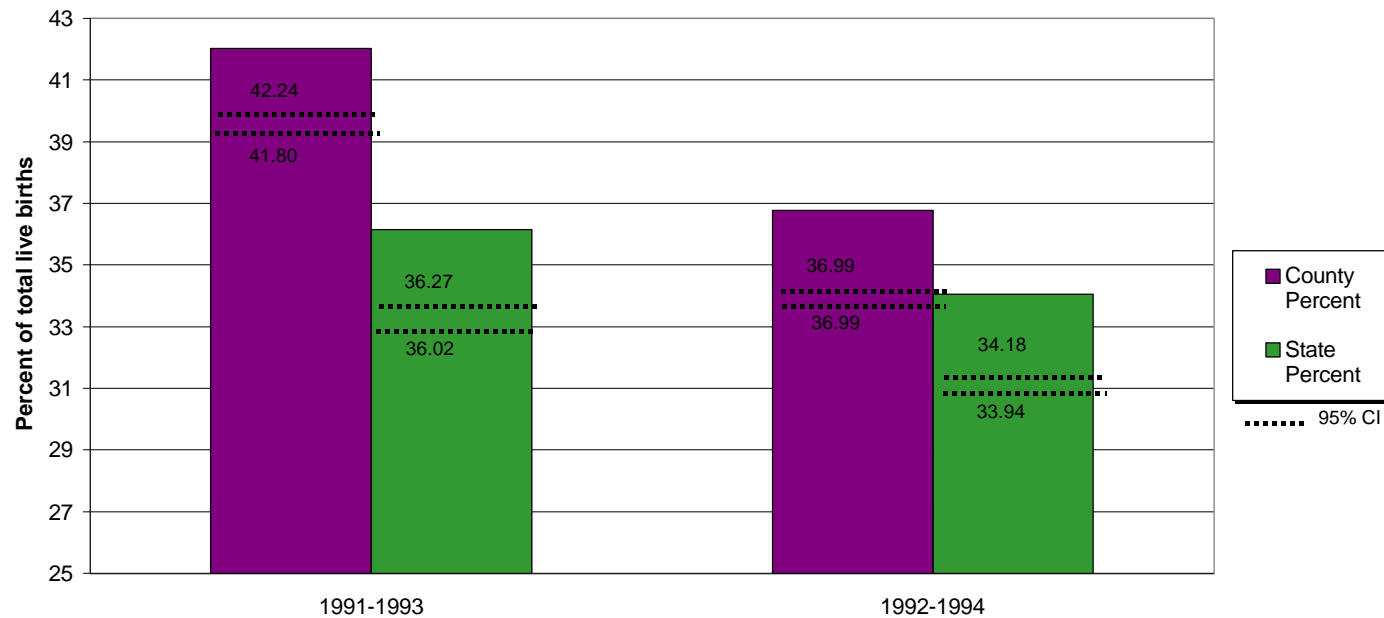
	California				Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
"Not Adequate" Prenatal Care	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
1991-1993 three year average	216,217	36.15%	36.02%	36.27%	78,419	42.02%	41.80%	42.24%
1992-1994 three year average	198,968	34.06%	33.94%	34.18%	69,559	36.77%	36.55%	36.99%

"Not Adequate" Prenatal Care	
DENOMINATOR: Live Births	
State	County
598,183	186,619
584,118	189,172

**Notes:** \* The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal care visits, and length of gestation. "Not adequate" prenatal care includes intermediate, inadequate, and unknown adequacy of care. Although many experts believe that other indices may better predict adverse outcomes (e.g. Kotelchuck APNCU), NCHS reports adequacy by the Kessner index only. This measure (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

**Source:** 1991-1994 birth records from California Department of Health Services, Health Data and Statistics Branch

**Percent of Live Births Rated "Not-Adequate" Prenatal Care by Kessner Index  
California vs. Los Angeles County,  
Three Year Averages: 1991 - 1993 vs. 1992 - 1994**

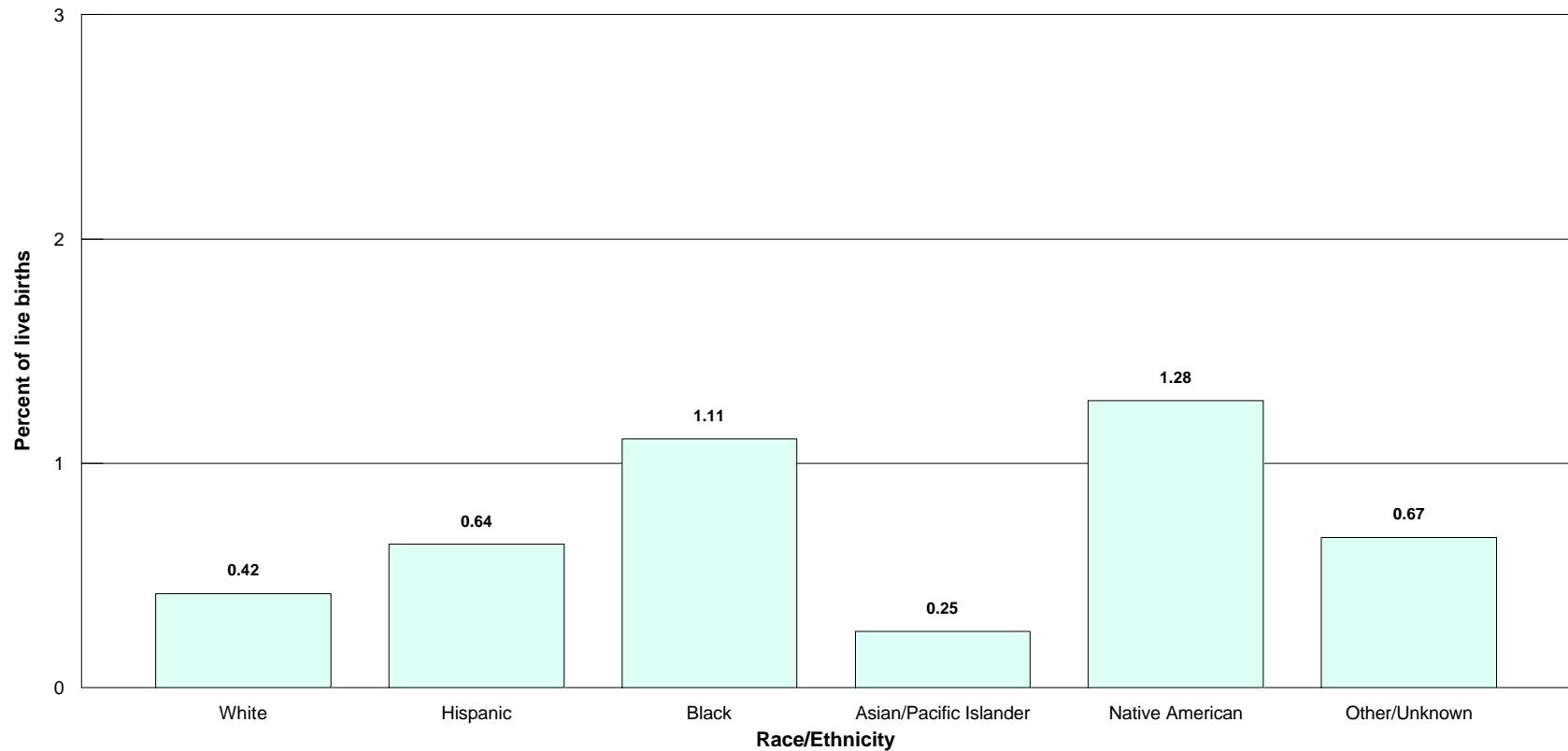


**Notes:** The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal care visits, and length of gestation. "Not adequate" prenatal care includes intermediate, inadequate, and unknown adequacy of care. This measure (based on natality statistics) excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

**Source:** 1991-1994 birth records from California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers with No Prenatal Care by Mother's Race/Ethnicity\*

Los Angeles County, 1996



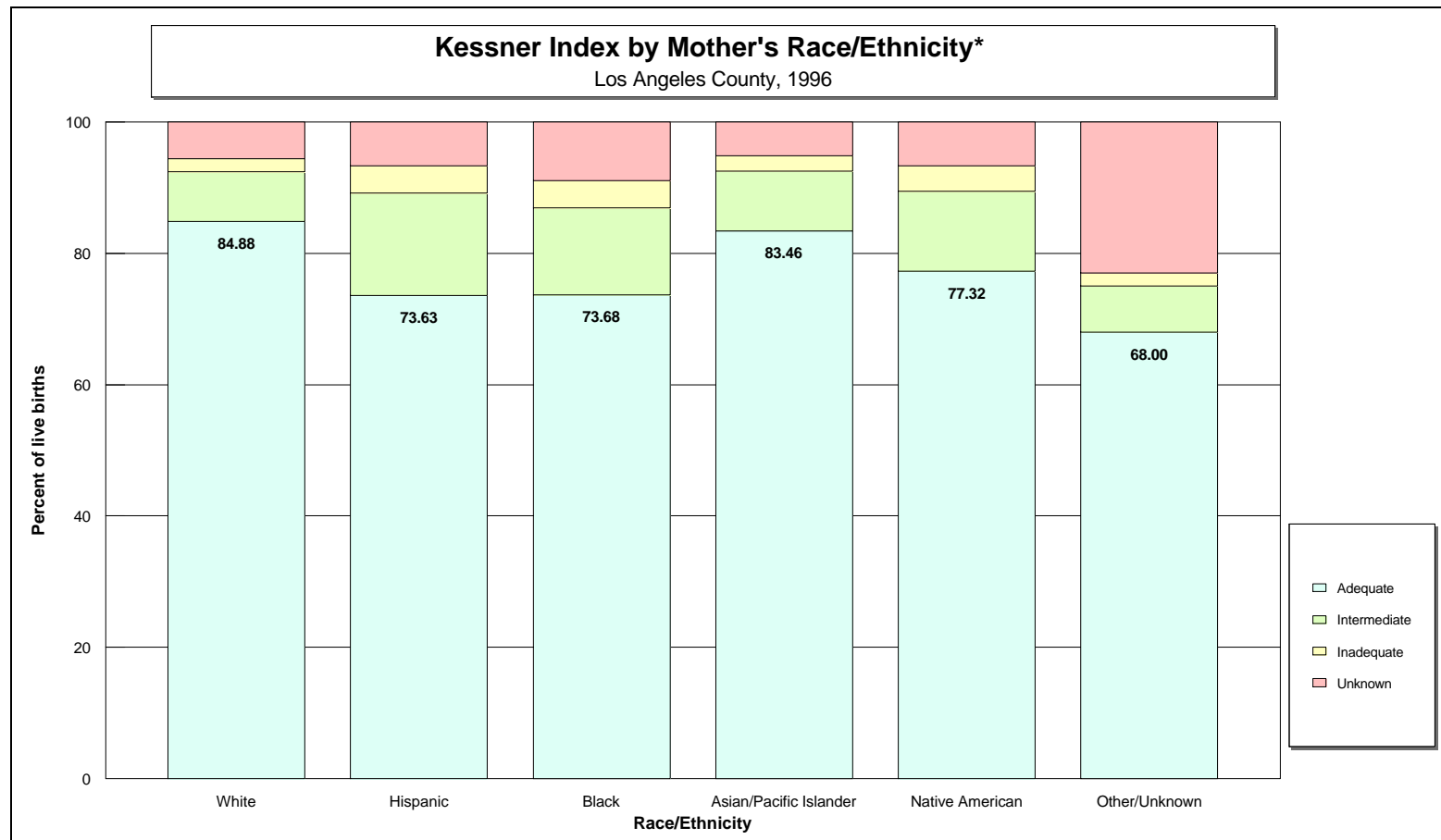
	Race/Ethnicity											
	White		Hispanic		Black		Asian**/Pacific Islander		Native American		Other/Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No PNC	136	0.42	670	0.64	168	1.11	39	0.25	4	1.28	2	0.67
Total	32,151	100.00	105,175	100.00	15,184	100.00	15,850	100.00	313	100.00	300	100.00

\* White, Black, Asian, Pacific Islander, Native American and other races exclude Hispanic ethnicity  
 Hispanic includes any race category

\*\* Filipino is included in Asian

Note: PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Race/Ethnicity											
	White		Hispanic		Black		Asian**/Pacific Islander		Native American		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births												
Adequate	27,289	84.88	77,439	73.63	11,188	73.68	13,228	83.46	242	77.32	204	68.00
Intermediate	2,428	7.55	16,379	15.57	2,006	13.22	1,442	9.10	38	12.14	21	7.00
Inadequate	629	1.96	4,378	4.16	641	4.22	367	2.32	12	3.83	6	2.00
Unknown	1,805	5.61	6,979	6.64	1,349	8.88	813	5.12	21	6.71	69	23.00
Total	32,151	100.00	105,175	100.00	15,184	100.00	15,850	100.00	313	100.00	300	100.00

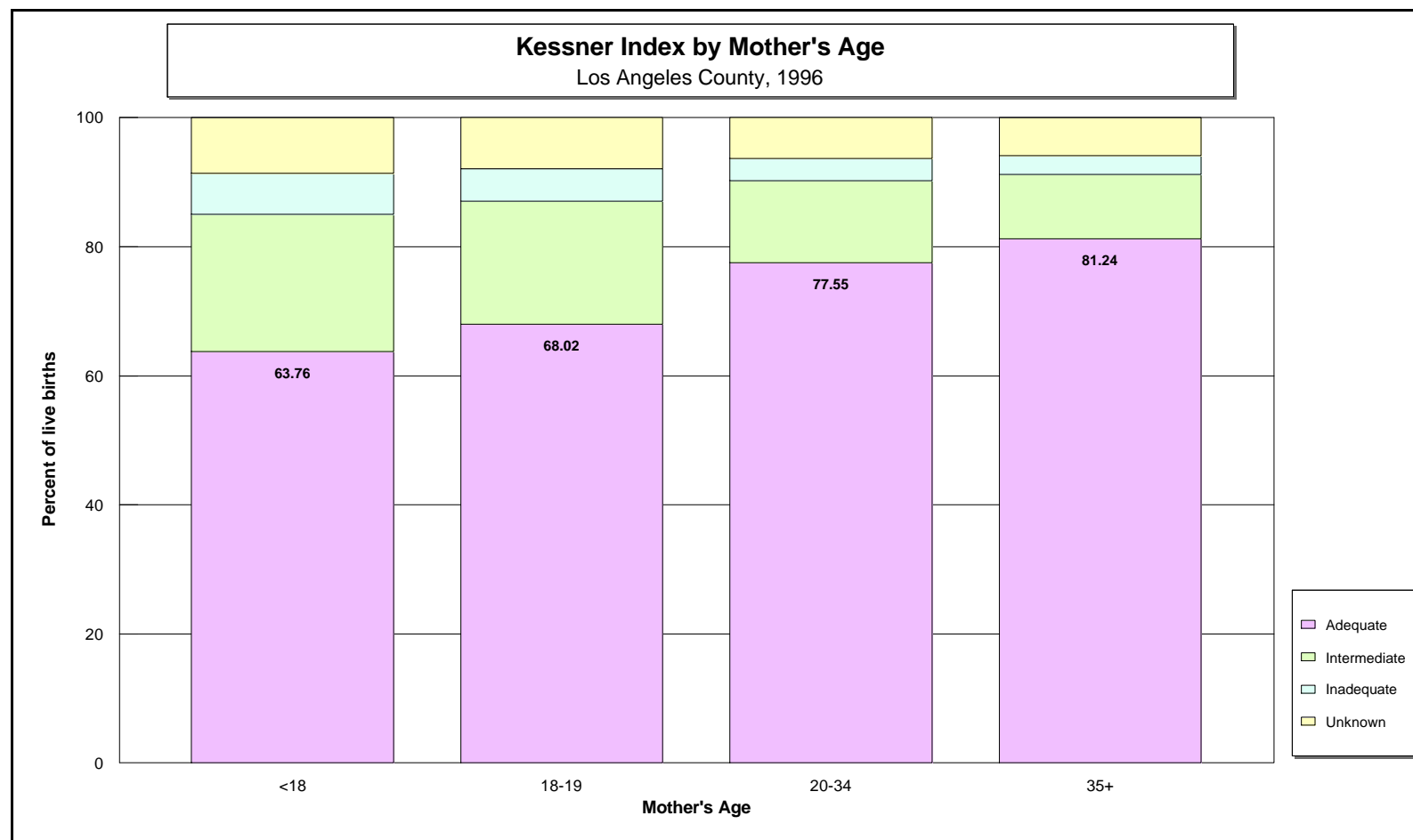
\* White, Black, Asian, Pacific Islander, Native American and other races exclude Hispanic ethnicity

Hispanic includes any race category

\*\* Filipino is included in Asian

Note: The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

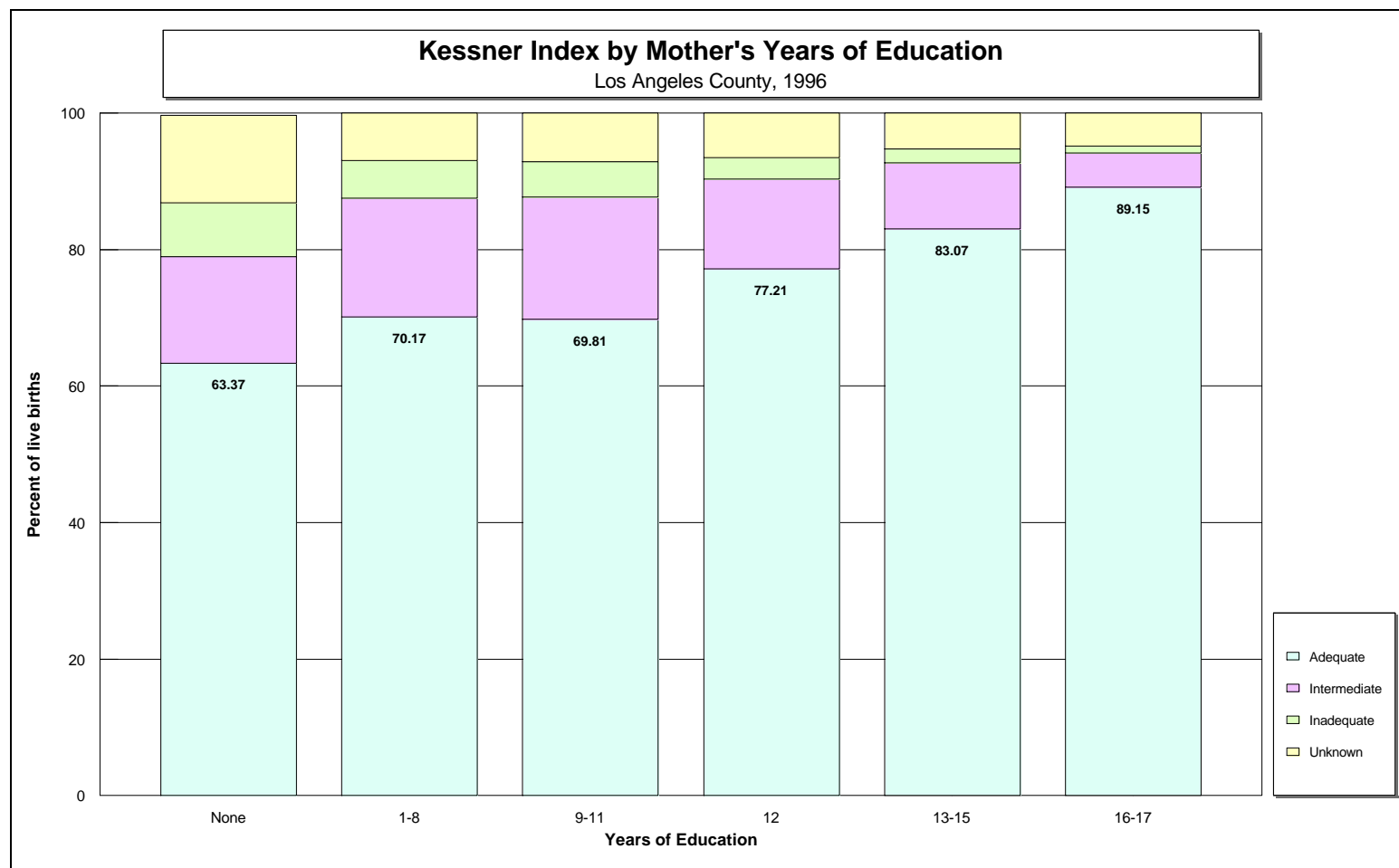
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Mother's Age							
	< 18		18 - 19		20 - 34		35+	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adequate	5,240	63.76	8,310	68.02	96,808	77.55	19,213	81.24
Intermediate	1,751	21.31	2,327	19.05	15,869	12.71	2,360	9.98
Inadequate	522	6.35	611	5.00	4,214	3.38	685	2.90
Unknown	705	8.58	969	7.93	7,939	6.36	1,392	5.89
Total	8,218	100.00	12,217	100.00	124,830	100.00	23,650	100.00

Note: The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

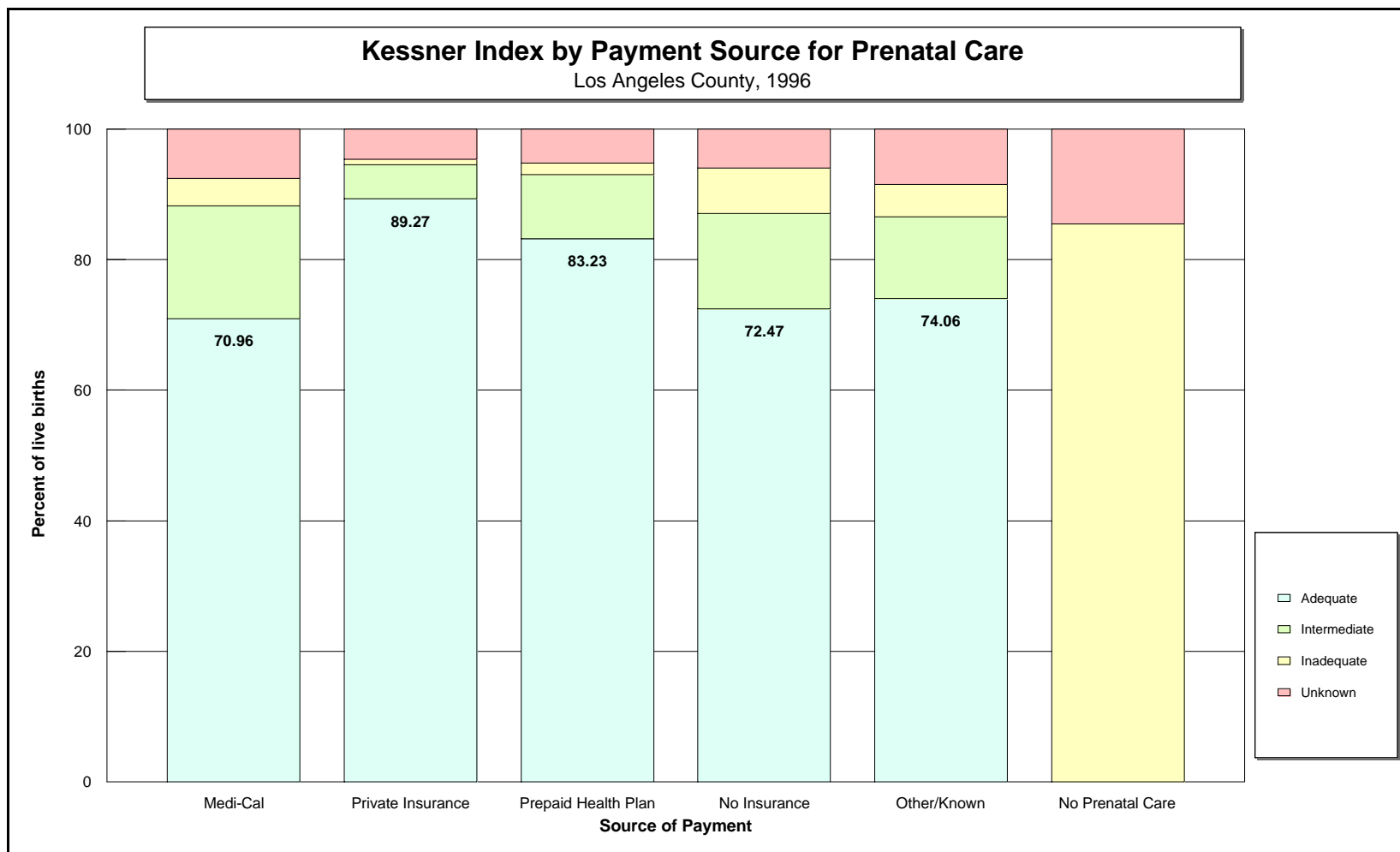


	Years of Education											
	None		1 - 8		9 - 11		12		13 - 15		16 - 17	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adequate	531	63.67	21,570	70.17	26,652	69.81	35,301	77.21	22,841	83.07	22,029	89.15
Intermediate	130	15.59	5,338	17.37	6,834	17.90	5,987	13.09	2,653	9.65	1,248	5.05
Inadequate	66	7.91	1,687	5.49	1,967	5.15	1,456	3.18	564	2.05	236	0.96
Unknown	107	12.83	2,143	6.97	2,727	7.14	2,978	6.51	1,439	5.23	1,196	4.84
Total	834	100.00	30,738	100.00	38,180	100.00	45,722	100.00	27,497	100.00	24,709	100.00

Note: Year '17' = mothers who attained college degree or above

The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

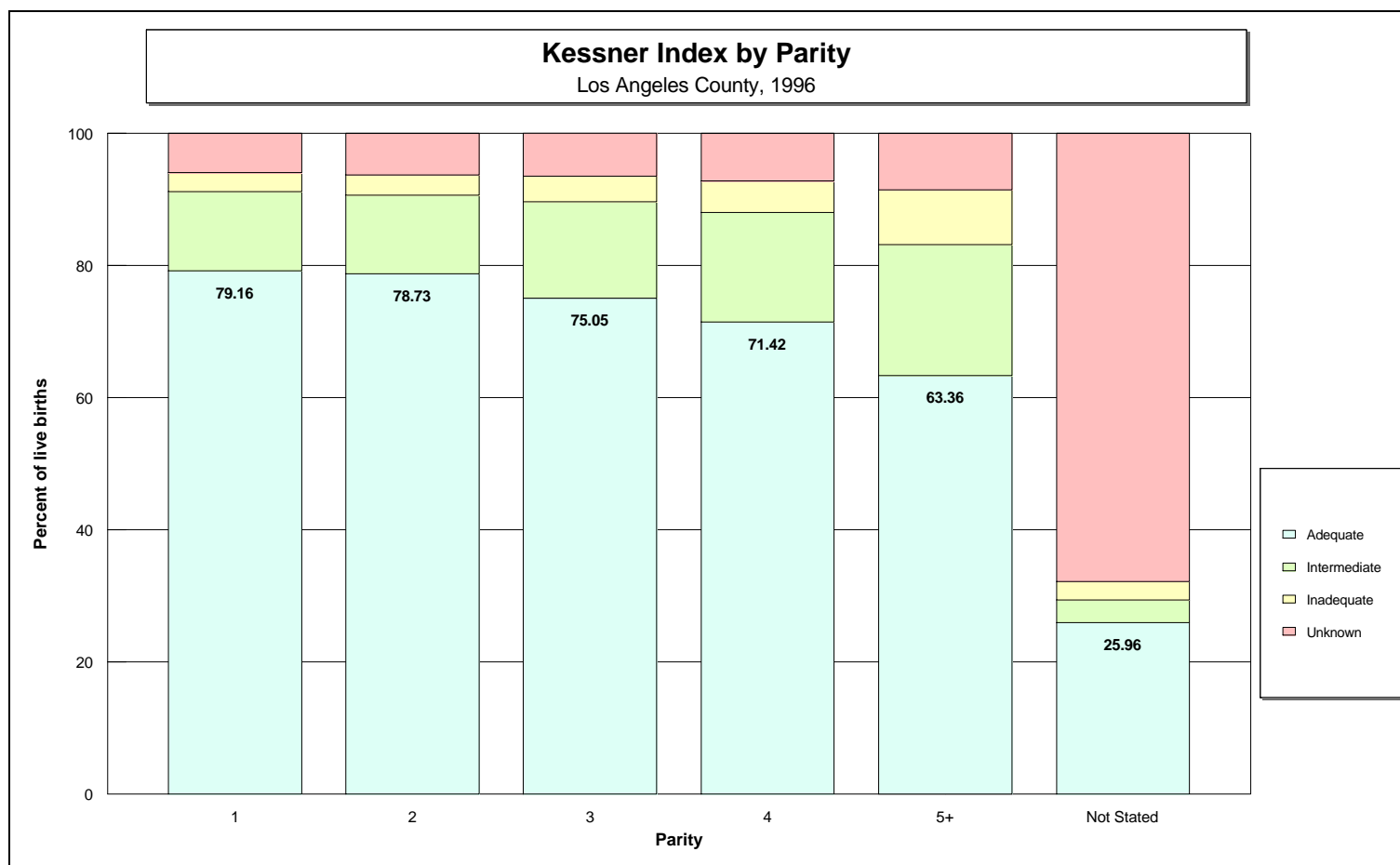
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Source											
	Medi-Cal		Private Insurance		Prepaid Health Plan		No Insurance		No Prenatal Care		Other/Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adequate	63,456	70.96	21,484	89.27	39,872	83.23	3,582	72.47	0	0.00	1,196	74.06
Intermediate	15,436	17.26	1,257	5.22	4,699	9.81	721	14.59	0	0.00	201	12.45
Inadequate	3,726	4.17	198	0.82	815	1.70	343	6.94	871	85.48	80	4.95
Unknown	6,807	7.61	1,126	4.68	2,520	5.26	297	6.01	148	14.52	138	8.54
Total	89,425	100.00	24,065	100.00	47,906	100.00	4,943	100.00	1,019	100.00	1,615	100.00

Note: The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



	Parity											
	1		2		3		4		5+		Not Stated	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adequate	50,201	79.16	41,465	78.73	22,018	75.05	9,434	71.42	6,418	63.36	54	25.96
Intermediate	7,583	11.96	6,271	11.91	4,261	14.52	2,185	16.54	2,007	19.81	7	3.37
Inadequate	1,816	2.86	1,601	3.04	1,142	3.89	632	4.78	836	8.25	6	2.88
Unknown	3,817	6.02	3,332	6.33	1,918	6.54	959	7.26	869	8.58	141	67.79
Total	63,417	100.00	52,669	100.00	29,339	100.00	13,210	100.00	10,130	100.00	208	100.00

Note: The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Parity = number of pregnancies resulting in live births

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



**Kessner Index by Zip Code**

Los Angeles County, 1996

Zip Code	Total Births	Number Inadequate Kessner Index	Percent Inadequate Kessner Index	Number Intermediate Kessner Index	Percent Intermediate Kessner Index	Number Adequate Kessner Index	Percent Adequate Kessner Index	Number Not-Adequate Kessner Index	Percent Not-Adequate Kessner Index	Number Unknown Kessner Index	Percent Unknown Kessner Index
90001	1,606	70	4.36	208	12.95	1,085	67.56	521	32.44	243	15.13
90002	1,083	51	4.71	150	13.85	780	72.02	303	27.98	102	9.42
90003	1,655	65	3.93	242	14.62	1,177	71.12	478	28.88	171	10.33
90004	1,297	56	4.32	202	15.57	987	76.1	310	23.9	52	4.01
90005	923	44	4.77	168	18.2	665	72.05	258	27.95	46	4.98
90006	1,420	70	4.93	251	17.68	1,005	70.77	415	29.23	94	6.62
90007	770	41	5.32	115	14.94	538	69.87	232	30.13	76	9.87
90008	482	23	4.77	61	12.66	338	70.12	144	29.88	60	12.45
90010	18	0	0	0	0	17	94.44	1	5.56	1	5.56
90011	2,993	164	5.48	556	18.58	1,975	65.99	1,018	34.01	298	9.96
90012	309	8	2.59	39	12.62	250	80.91	59	19.09	12	3.88
90013	37	6	16.22	3	8.11	23	62.16	14	37.84	5	13.51
90014	31	4	12.9	6	19.35	20	64.52	11	35.48	1	3.23
90015	356	27	7.58	62	17.42	235	66.01	121	33.99	32	8.99
90016	748	26	3.48	80	10.7	590	78.88	158	21.12	52	6.95
90017	462	30	6.49	105	22.73	308	66.67	154	33.33	19	4.11
90018	918	49	5.34	152	16.56	634	69.06	284	30.94	83	9.04
90019	1,090	49	4.5	156	14.31	776	71.19	314	28.81	109	10
90020	888	27	3.04	129	14.53	673	75.79	215	24.21	59	6.64
90021	53	5	9.43	8	15.09	37	69.81	16	30.19	3	5.66
90022	1,685	108	6.41	313	18.58	1,175	69.73	510	30.27	89	5.28
90023	1,274	63	4.95	245	19.23	914	71.74	360	28.26	52	4.08
90024	248	4	1.61	14	5.65	205	82.66	43	17.34	25	10.08
90025	447	10	2.24	37	8.28	366	81.88	81	18.12	34	7.61
90026	1,331	47	3.53	212	15.93	1,010	75.88	321	24.12	62	4.66
90027	625	31	4.96	97	15.52	475	76	150	24	22	3.52
90028	485	15	3.09	81	16.7	368	75.88	117	24.12	21	4.33
90029	858	37	4.31	135	15.73	657	76.57	201	23.43	29	3.38
90031	791	32	4.05	132	16.69	599	75.73	192	24.27	28	3.54
90032	885	36	4.07	140	15.82	674	76.16	211	23.84	35	3.95
90033	1,256	72	5.73	215	17.12	935	74.44	321	25.56	34	2.71
90034	952	28	2.94	99	10.4	748	78.57	204	21.43	77	8.09
90035	402	6	1.49	33	8.21	311	77.36	91	22.64	52	12.94
90036	391	10	2.56	27	6.91	305	78.01	86	21.99	49	12.53
90037	1,448	81	5.59	259	17.89	975	67.33	473	32.67	133	9.19
90038	643	23	3.58	109	16.95	479	74.49	164	25.51	32	4.98
90039	442	11	2.49	62	14.03	348	78.73	94	21.27	21	4.75
90040	239	9	3.77	35	14.64	186	77.82	53	22.18	9	3.77
90041	357	10	2.8	32	8.96	301	84.31	56	15.69	14	3.92
90042	1,382	61	4.41	200	14.47	1,076	77.86	306	22.14	45	3.26
90043	673	27	4.01	95	14.12	486	72.21	187	27.79	65	9.66
90044	2,080	111	5.34	327	15.72	1,453	69.86	627	30.14	189	9.09
90045	600	7	1.17	41	6.83	507	84.5	93	15.5	45	7.5
90046	335	4	1.19	30	8.96	253	75.52	82	24.48	48	14.33
90047	794	34	4.28	99	12.47	593	74.69	201	25.31	68	8.56
90048	204	4	1.96	8	3.92	152	74.51	52	25.49	40	19.61
90049	282	1	0.35	6	2.13	239	84.75	43	15.25	36	12.77

**Source:**

Los Angeles County - Department of Health Services, Family Health Programs, MCAH Assessment & Planning Unit  
 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# Kessner Index by Zip Code

Los Angeles County, 1996

Zip Code	Total Births	Number Inadequate Kessner Index	Percent Inadequate Kessner Index	Number Intermediate Kessner Index	Percent Intermediate Kessner Index	Number Adequate Kessner Index	Percent Adequate Kessner Index	Number Not-Adequate Kessner Index	Percent Not-Adequate Kessner Index	Number Unknown Kessner Index	Percent Unknown Kessner Index
90056	73	0	0	7	9.59	59	80.82	14	19.18	7	9.59
90057	994	51	5.13	174	17.51	723	72.74	271	27.26	46	4.63
90058	108	6	5.56	21	19.44	71	65.74	37	34.26	10	9.26
90059	979	29	2.96	120	12.26	753	76.92	226	23.08	77	7.87
90061	600	22	3.67	98	16.33	435	72.5	165	27.5	45	7.5
90062	543	30	5.52	77	14.18	382	70.35	161	29.65	54	9.94
90063	1,445	101	6.99	236	16.33	1,038	71.83	407	28.17	70	4.84
90064	313	6	1.92	22	7.03	255	81.47	58	18.53	30	9.58
90065	969	38	3.92	179	18.47	705	72.76	264	27.24	47	4.85
90066	914	15	1.64	101	11.05	737	80.63	177	19.37	61	6.67
90067	18	1	5.56	0	0	10	55.56	8	44.44	7	38.89
90068	217	4	1.84	14	6.45	180	82.95	37	17.05	19	8.76
90069	120	3	2.5	5	4.17	85	70.83	35	29.17	27	22.5
90071	6	0	0	0	0	5	83.33	1	16.67	1	16.67
90077	95	1	1.05	1	1.05	85	89.47	10	10.53	8	8.42
90081	1	0	0	0	0	1	100	0	0	0	0
90089	1	0	0	0	0	1	100	0	0	0	0
90201	2,940	130	4.42	391	13.3	2,006	68.23	934	31.77	413	14.05
90203	1	0	0	0	0	1	100	0	0	0	0
90205	1	0	0	0	0	1	100	0	0	0	0
90207	1	0	0	0	0	1	100	0	0	0	0
90210	192	0	0	5	2.6	148	77.08	44	22.92	39	20.31
90211	63	0	0	0	0	50	79.37	13	20.63	13	20.63
90212	91	0	0	7	7.69	77	84.62	14	15.38	7	7.69
90219	1	0	0	0	0	1	100	0	0	0	0
90220	1,176	46	3.91	139	11.82	876	74.49	300	25.51	115	9.78
90221	1,497	55	3.67	200	13.36	1,003	67	494	33	239	15.97
90222	785	31	3.95	96	12.23	571	72.74	214	27.26	87	11.08
90225	1	0	0	0	0	0	0	1	100	1	100
90227	1	0	0	0	0	1	100	0	0	0	0
90230	465	3	0.65	56	12.04	364	78.28	101	21.72	42	9.03
90232	167	1	0.6	17	10.18	135	80.84	32	19.16	14	8.38
90240	347	10	2.88	42	12.1	257	74.06	90	25.94	38	10.95
90241	670	15	2.24	68	10.15	542	80.9	128	19.1	45	6.72
90242	756	27	3.57	94	12.43	574	75.93	182	24.07	61	8.07
90243	1	0	0	0	0	1	100	0	0	0	0
90245	215	2	0.93	10	4.65	184	85.58	31	14.42	19	8.84
90246	1	0	0	0	0	1	100	0	0	0	0
90247	888	26	2.93	124	13.96	666	75	222	25	72	8.11
90248	161	2	1.24	18	11.18	129	80.12	32	19.88	12	7.45
90249	454	19	4.19	67	14.76	334	73.57	120	26.43	34	7.49
90250	1,967	64	3.25	252	12.81	1,491	75.8	476	24.2	160	8.13
90254	215	2	0.93	6	2.79	195	90.7	20	9.3	12	5.58
90255	2,005	70	3.49	244	12.17	1,425	71.07	580	28.93	266	13.27
90256	1	0	0	0	0	1	100	0	0	0	0
90258	1	0	0	0	0	1	100	0	0	0	0
90260	681	23	3.38	85	12.48	520	76.36	161	23.64	53	7.78

**Source:**

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Los Angeles County, 1996

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90262	1,891	48	2.54	231	12.22	1,418	74.99	473	25.01	194	10.26
90265	170	0	0	5	2.94	152	89.41	18	10.59	13	7.65
90266	445	3	0.67	12	2.7	409	91.91	36	8.09	21	4.72
90270	777	34	4.38	90	11.58	564	72.59	213	27.41	89	11.45
90272	252	0	0	11	4.37	218	86.51	34	13.49	23	9.13
90273	1	0	0	0	0	1	100	0	0	0	0
90274	223	0	0	4	1.79	201	90.13	22	9.87	18	8.07
90275	322	2	0.62	11	3.42	284	88.2	38	11.8	25	7.76
90277	417	8	1.92	14	3.36	368	88.25	49	11.75	27	6.47
90278	609	9	1.48	34	5.58	527	86.54	82	13.46	39	6.4
90280	2,432	84	3.45	304	12.5	1,733	71.26	699	28.74	311	12.79
90290	58	0	0	4	6.9	53	91.38	5	8.62	1	1.72
90291	411	7	1.7	44	10.71	315	76.64	96	23.36	45	10.95
90292	154	2	1.3	9	5.84	130	84.42	24	15.58	13	8.44
90293	114	1	0.88	5	4.39	101	88.6	13	11.4	7	6.14
90301	837	30	3.58	132	15.77	609	72.76	228	27.24	66	7.89
90302	558	18	3.23	66	11.83	420	75.27	138	24.73	54	9.68
90303	632	30	4.75	102	16.14	446	70.57	186	29.43	54	8.54
90304	818	52	6.36	105	12.84	591	72.25	227	27.75	70	8.56
90305	185	7	3.78	23	12.43	137	74.05	48	25.95	18	9.73
90401	44	0	0	6	13.64	36	81.82	8	18.18	2	4.55
90402	132	4	3.03	4	3.03	115	87.12	17	12.88	9	6.82
90403	195	3	1.54	10	5.13	170	87.18	25	12.82	12	6.15
90404	255	4	1.57	33	12.94	200	78.43	55	21.57	18	7.06
90405	271	0	0	15	5.54	234	86.35	37	13.65	22	8.12
90501	752	21	2.79	94	12.5	590	78.46	162	21.54	47	6.25
90502	244	7	2.87	30	12.3	194	79.51	50	20.49	13	5.33
90503	503	10	1.99	32	6.36	418	83.1	85	16.9	43	8.55
90504	395	9	2.28	26	6.58	320	81.01	75	18.99	40	10.13
90505	433	5	1.15	23	5.31	375	86.61	58	13.39	30	6.93
90601	528	14	2.65	52	9.85	417	78.98	111	21.02	45	8.52
90602	547	22	4.02	58	10.6	399	72.94	148	27.06	68	12.43
90603	242	4	1.65	18	7.44	207	85.54	35	14.46	13	5.37
90604	669	24	3.59	72	10.76	523	78.18	146	21.82	50	7.47
90605	739	23	3.11	103	13.94	531	71.85	208	28.15	82	11.1
90606	656	19	2.9	80	12.2	494	75.3	162	24.7	63	9.6
90620	1	0	0	0	0	1	100	0	0	0	0
90623	2	0	0	0	0	2	100	0	0	0	0
90628	1	0	0	0	0	1	100	0	0	0	0
90630	1	0	0	0	0	1	100	0	0	0	0
90631	31	0	0	2	6.45	26	83.87	5	16.13	3	9.68
90638	593	11	1.85	54	9.11	497	83.81	96	16.19	31	5.23
90639	1	0	0	0	0	1	100	0	0	0	0
90640	1,177	41	3.48	166	14.1	902	76.64	275	23.36	68	5.78
90642	1	0	0	0	0	1	100	0	0	0	0
90650	1,968	86	4.37	272	13.82	1,460	74.19	508	25.81	150	7.62
90660	1,171	39	3.33	148	12.64	874	74.64	297	25.36	110	9.39

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90670	237	6	2.53	22	9.28	190	80.17	47	19.83	19	8.02
90701	305	10	3.28	43	14.1	228	74.75	77	25.25	24	7.87
90703	463	9	1.94	40	8.64	389	84.02	74	15.98	25	5.4
90704	79	5	6.33	6	7.59	61	77.22	18	22.78	7	8.86
90706	1,361	54	3.97	138	10.14	1,015	74.58	346	25.42	154	11.32
90710	405	11	2.72	47	11.6	322	79.51	83	20.49	25	6.17
90712	439	10	2.28	41	9.34	360	82	79	18	28	6.38
90713	390	10	2.56	29	7.44	322	82.56	68	17.44	29	7.44
90715	356	10	2.81	52	14.61	272	76.4	84	23.6	22	6.18
90716	381	21	5.51	83	21.78	247	64.83	134	35.17	30	7.87
90717	380	15	3.95	49	12.89	292	76.84	88	23.16	24	6.32
90720	2	0	0	0	0	2	100	0	0	0	0
90723	1,476	55	3.73	177	11.99	944	63.96	532	36.04	300	20.33
90731	1,105	80	7.24	170	15.38	806	72.94	299	27.06	49	4.43
90732	261	4	1.53	14	5.36	228	87.36	33	12.64	15	5.75
90735	1	0	0	0	0	1	100	0	0	0	0
90744	1,293	63	4.87	184	14.23	966	74.71	327	25.29	80	6.19
90745	924	30	3.25	120	12.99	710	76.84	214	23.16	64	6.93
90746	313	17	5.43	36	11.5	232	74.12	81	25.88	28	8.95
90747	1	0	0	1	100	0	0	1	100	0	0
90800	1	0	0	0	0	1	100	0	0	0	0
90802	772	39	5.05	112	14.51	540	69.95	232	30.05	81	10.49
90803	299	6	2.01	20	6.69	251	83.95	48	16.05	22	7.36
90804	904	28	3.1	119	13.16	652	72.12	252	27.88	105	11.62
90805	1,973	85	4.31	302	15.31	1,372	69.54	601	30.46	214	10.85
90806	1,058	48	4.54	164	15.5	754	71.27	304	28.73	92	8.7
90807	471	9	1.91	43	9.13	379	80.47	92	19.53	40	8.49
90808	495	5	1.01	27	5.45	423	85.45	72	14.55	40	8.08
90810	677	27	3.99	100	14.77	505	74.59	172	25.41	45	6.65
90812	6	0	0	1	16.67	3	50	3	50	2	33.33
90813	1,697	110	6.48	291	17.15	1,140	67.18	557	32.82	156	9.19
90814	275	2	0.73	16	5.82	224	81.45	51	18.55	33	12
90815	468	2	0.43	28	5.98	402	85.9	66	14.1	36	7.69
90816	2	1	50	1	50	0	0	2	100	0	0
90817	1	0	0	0	0	0	0	1	100	1	100
90820	1	0	0	0	0	1	100	0	0	0	0
91000	1	1	100	0	0	0	0	1	100	0	0
91001	511	13	2.54	56	10.96	434	84.93	77	15.07	8	1.57
91004	1	0	0	0	0	1	100	0	0	0	0
91006	326	5	1.53	18	5.52	297	91.1	29	8.9	6	1.84
91007	315	8	2.54	20	6.35	276	87.62	39	12.38	11	3.49
91010	499	17	3.41	65	13.03	405	81.16	94	18.84	12	2.4
91011	165	1	0.61	5	3.03	150	90.91	15	9.09	9	5.45
91016	747	17	2.28	55	7.36	655	87.68	92	12.32	20	2.68
91020	101	0	0	4	3.96	94	93.07	7	6.93	3	2.97
91024	120	0	0	9	7.5	109	90.83	11	9.17	2	1.67
91030	277	7	2.53	20	7.22	244	88.09	33	11.91	6	2.17

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91032	1	0	0	0	0	0	0	1	100	1	100
91040	274	6	2.19	20	7.3	234	85.4	40	14.6	14	5.11
91042	394	10	2.54	40	10.15	326	82.74	68	17.26	18	4.57
91065	1	0	0	0	0	1	100	0	0	0	0
91100	1	0	0	0	0	1	100	0	0	0	0
91101	288	7	2.43	35	12.15	237	82.29	51	17.71	9	3.12
91103	606	28	4.62	94	15.51	457	75.41	149	24.59	27	4.46
91104	738	27	3.66	85	11.52	606	82.11	132	17.89	20	2.71
91105	108	1	0.93	9	8.33	96	88.89	12	11.11	2	1.85
91106	373	14	3.75	40	10.72	304	81.5	69	18.5	15	4.02
91107	436	9	2.06	38	8.72	376	86.24	60	13.76	13	2.98
91108	128	3	2.34	6	4.69	111	86.72	17	13.28	8	6.25
91123	1	0	0	0	0	1	100	0	0	0	0
91173	2	0	0	0	0	2	100	0	0	0	0
91201	337	9	2.67	31	9.2	292	86.65	45	13.35	5	1.48
91202	185	4	2.16	13	7.03	160	86.49	25	13.51	8	4.32
91203	218	7	3.21	20	9.17	184	84.4	34	15.6	7	3.21
91204	326	12	3.68	55	16.87	250	76.69	76	23.31	9	2.76
91205	612	15	2.45	93	15.2	478	78.1	134	21.9	26	4.25
91206	377	5	1.33	24	6.37	330	87.53	47	12.47	18	4.77
91207	101	3	2.97	1	0.99	94	93.07	7	6.93	3	2.97
91208	198	0	0	13	6.57	181	91.41	17	8.59	4	2.02
91213	1	0	0	0	0	1	100	0	0	0	0
91214	343	5	1.46	23	6.71	306	89.21	37	10.79	9	2.62
91280	1	0	0	0	0	1	100	0	0	0	0
91301	363	0	0	15	4.13	335	92.29	28	7.71	13	3.58
91302	228	0	0	10	4.39	209	91.67	19	8.33	9	3.95
91303	509	25	4.91	84	16.5	386	75.83	123	24.17	14	2.75
91304	834	32	3.84	110	13.19	671	80.46	163	19.54	21	2.52
91306	733	22	3	101	13.78	599	81.72	134	18.28	11	1.5
91307	283	1	0.35	16	5.65	263	92.93	20	7.07	3	1.06
91311	366	11	3.01	27	7.38	317	86.61	49	13.39	11	3.01
91314	3	2	66.67	1	33.33	0	0	3	100	0	0
91316	290	2	0.69	22	7.59	257	88.62	33	11.38	9	3.1
91320	1	1	100	0	0	0	0	1	100	0	0
91321	523	13	2.49	71	13.58	426	81.45	97	18.55	13	2.49
91323	1	1	100	0	0	0	0	1	100	0	0
91324	324	20	6.17	46	14.2	246	75.93	78	24.07	12	3.7
91325	368	15	4.08	45	12.23	290	78.8	78	21.2	18	4.89
91326	249	2	0.8	19	7.63	221	88.76	28	11.24	7	2.81
91330	1	0	0	0	0	1	100	0	0	0	0
91331	2,269	107	4.72	445	19.61	1,661	73.2	608	26.8	56	2.47
91335	1,064	43	4.04	140	13.16	853	80.17	211	19.83	28	2.63
91340	774	39	5.04	97	12.53	625	80.75	149	19.25	13	1.68
91342	1,465	56	3.82	229	15.63	1,137	77.61	328	22.39	43	2.94
91343	1,016	25	2.46	156	15.35	799	78.64	217	21.36	36	3.54
91344	540	13	2.41	50	9.26	456	84.44	84	15.56	21	3.89

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91345	277	5	1.81	36	13	229	82.67	48	17.33	7	2.53
91349	2	0	0	0	0	2	100	0	0	0	0
91350	522	6	1.15	24	4.6	484	92.72	38	7.28	8	1.53
91351	969	19	1.96	77	7.95	862	88.96	107	11.04	11	1.14
91352	983	59	6	181	18.41	726	73.86	257	26.14	17	1.73
91354	206	1	0.49	7	3.4	193	93.69	13	6.31	5	2.43
91355	362	2	0.55	13	3.59	345	95.3	17	4.7	2	0.55
91356	318	3	0.94	24	7.55	281	88.36	37	11.64	10	3.14
91360	1	0	0	0	0	1	100	0	0	0	0
91361	48	0	0	0	0	46	95.83	2	4.17	2	4.17
91362	6	1	16.67	0	0	5	83.33	1	16.67	0	0
91364	307	2	0.65	25	8.14	269	87.62	38	12.38	11	3.58
91367	387	4	1.03	21	5.43	345	89.15	42	10.85	17	4.39
91381	99	1	1.01	5	5.05	93	93.94	6	6.06	0	0
91384	263	3	1.14	26	9.89	224	85.17	39	14.83	10	3.8
91401	659	16	2.43	102	15.48	522	79.21	137	20.79	19	2.88
91402	1,495	64	4.28	277	18.53	1,112	74.38	383	25.62	42	2.81
91403	227	5	2.2	14	6.17	191	84.14	36	15.86	17	7.49
91404	1	1	100	0	0	0	0	1	100	0	0
91405	1,094	47	4.3	178	16.27	830	75.87	264	24.13	39	3.56
91406	967	32	3.31	141	14.58	746	77.15	221	22.85	48	4.96
91411	477	12	2.52	71	14.88	371	77.78	106	22.22	23	4.82
91423	288	5	1.74	11	3.82	253	87.85	35	12.15	19	6.6
91436	128	2	1.56	2	1.56	114	89.06	14	10.94	10	7.81
91437	1	1	100	0	0	0	0	1	100	0	0
91501	218	2	0.92	24	11.01	185	84.86	33	15.14	7	3.21
91502	214	9	4.21	21	9.81	181	84.58	33	15.42	3	1.4
91504	350	5	1.43	33	9.43	310	88.57	40	11.43	2	0.57
91505	343	4	1.17	38	11.08	291	84.84	52	15.16	10	2.92
91506	237	4	1.69	16	6.75	208	87.76	29	12.24	9	3.8
91522	2	0	0	0	0	2	100	0	0	0	0
91523	1	0	0	0	0	1	100	0	0	0	0
91551	1	0	0	0	0	1	100	0	0	0	0
91563	1	0	0	0	0	1	100	0	0	0	0
91600	1	0	0	0	0	0	0	1	100	1	100
91601	681	25	3.67	99	14.54	536	78.71	145	21.29	21	3.08
91602	201	3	1.49	18	8.96	169	84.08	32	15.92	11	5.47
91604	261	5	1.92	12	4.6	232	88.89	29	11.11	12	4.6
91605	1,195	62	5.19	190	15.9	918	76.82	277	23.18	25	2.09
91606	846	28	3.31	138	16.31	661	78.13	185	21.87	19	2.25
91607	332	4	1.2	29	8.73	284	85.54	48	14.46	15	4.52
91631	1	0	0	0	0	1	100	0	0	0	0
91701	1	0	0	0	0	1	100	0	0	0	0
91702	1,303	47	3.61	234	17.96	984	75.52	319	24.48	38	2.92
91704	1	0	0	0	0	1	100	0	0	0	0
91705	1	0	0	0	0	1	100	0	0	0	0
91706	1,857	46	2.48	286	15.4	1,461	78.68	396	21.32	64	3.45

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Zip Code	Total Births	Number Inadequate Kessner Index	Percent Inadequate Kessner Index	Number Intermediate Kessner Index	Percent Intermediate Kessner Index	Number Adequate Kessner Index	Percent Adequate Kessner Index	Number Not-Adequate Kessner Index	Percent Not-Adequate Kessner Index	Number Unknown Kessner Index	Percent Unknown Kessner Index
91711	277	8	2.89	20	7.22	244	88.09	33	11.91	5	1.81
91722	580	16	2.76	71	12.24	471	81.21	109	18.79	22	3.79
91723	314	8	2.55	41	13.06	249	79.3	65	20.7	16	5.1
91724	330	11	3.33	34	10.3	275	83.33	55	16.67	10	3.03
91727	1	1	100	0	0	0	0	1	100	0	0
91731	672	29	4.32	85	12.65	531	79.02	141	20.98	27	4.02
91732	1,538	50	3.25	249	16.19	1,165	75.75	373	24.25	74	4.81
91733	1,190	54	4.54	171	14.37	916	76.97	274	23.03	49	4.12
91739	1	0	0	0	0	0	0	1	100	1	100
91740	403	8	1.99	51	12.66	337	83.62	66	16.38	7	1.74
91741	241	3	1.24	13	5.39	220	91.29	21	8.71	5	2.07
91742	1	0	0	0	0	1	100	0	0	0	0
91744	1,957	79	4.04	350	17.88	1,450	74.09	507	25.91	78	3.99
91745	687	9	1.31	88	12.81	554	80.64	133	19.36	36	5.24
91746	630	19	3.02	104	16.51	484	76.83	146	23.17	23	3.65
91748	656	21	3.2	80	12.2	522	79.57	134	20.43	33	5.03
91750	402	6	1.49	41	10.2	349	86.82	53	13.18	6	1.49
91754	502	10	1.99	49	9.76	422	84.06	80	15.94	21	4.18
91755	340	7	2.06	31	9.12	297	87.35	43	12.65	5	1.47
91758	1	0	0	1	100	0	0	1	100	0	0
91762	1	0	0	1	100	0	0	1	100	0	0
91764	1	0	0	0	0	0	0	1	100	1	100
91765	593	12	2.02	43	7.25	510	86	83	14	28	4.72
91766	1,685	104	6.17	348	20.65	1,174	69.67	511	30.33	59	3.5
91767	1,006	53	5.27	198	19.68	709	70.48	297	29.52	46	4.57
91768	668	30	4.49	121	18.11	497	74.4	171	25.6	20	2.99
91770	1,177	31	2.63	119	10.11	996	84.62	181	15.38	31	2.63
91771	3	0	0	0	0	2	66.67	1	33.33	1	33.33
91773	409	7	1.71	40	9.78	349	85.33	60	14.67	13	3.18
91775	318	7	2.2	22	6.92	282	88.68	36	11.32	7	2.2
91776	630	9	1.43	65	10.32	539	85.56	91	14.44	17	2.7
91780	452	10	2.21	31	6.86	404	89.38	48	10.62	7	1.55
91789	450	9	2	39	8.67	380	84.44	70	15.56	22	4.89
91790	770	23	2.99	91	11.82	623	80.91	147	19.09	33	4.29
91791	445	15	3.37	53	11.91	360	80.9	85	19.1	17	3.82
91792	541	10	1.85	77	14.23	435	80.41	106	19.59	19	3.51
91801	821	14	1.71	82	9.99	700	85.26	121	14.74	25	3.05
91803	457	6	1.31	46	10.07	387	84.68	70	15.32	18	3.94
91805	2	0	0	0	0	2	100	0	0	0	0
91831	1	0	0	0	0	0	0	1	100	1	100
91916	1	0	0	0	0	1	100	0	0	0	0
92509	1	0	0	0	0	1	100	0	0	0	0
92650	1	0	0	0	0	1	100	0	0	0	0
92801	1	0	0	0	0	0	0	1	100	1	100
92821	1	0	0	0	0	1	100	0	0	0	0
92856	1	0	0	1	100	0	0	1	100	0	0
93065	4	0	0	0	0	4	100	0	0	0	0

**Source:**

Los Angeles County - Department of Health Services, Family Health Programs, MCAH Assessment & Planning Unit  
1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

Los Angeles County - Department of Health Services

## Kessner Index by Zip Code

Los Angeles County, 1996

Zip Code	Total Births	Number Inadequate Kessner Index	Percent Inadequate Kessner Index	Number Intermediate Kessner Index	Percent Intermediate Kessner Index	Number Adequate Kessner Index	Percent Adequate Kessner Index	Number Not-Adequate Kessner Index	Percent Not-Adequate Kessner Index	Number Unknown Kessner Index	Percent Unknown Kessner Index
93351	1	0	0	0	0	1	100	0	0	0	0
93510	84	2	2.38	13	15.48	68	80.95	16	19.05	1	1.19
93532	36	0	0	3	8.33	31	86.11	5	13.89	2	5.56
93533	1	0	0	0	0	1	100	0	0	0	0
93534	663	25	3.77	125	18.85	489	73.76	174	26.24	24	3.62
93535	960	38	3.96	158	16.46	731	76.15	229	23.85	33	3.44
93536	582	18	3.09	89	15.29	460	79.04	122	20.96	15	2.58
93543	185	8	4.32	36	19.46	135	72.97	50	27.03	6	3.24
93544	18	4	22.22	6	33.33	7	38.89	11	61.11	1	5.56
93550	1,352	51	3.77	234	17.31	1,033	76.41	319	23.59	34	2.51
93551	478	12	2.51	45	9.41	411	85.98	67	14.02	10	2.09
93552	353	5	1.42	47	13.31	292	82.72	61	17.28	9	2.55
93553	28	6	21.43	6	21.43	16	57.14	12	42.86	0	0
93563	1	0	0	0	0	0	0	1	100	1	100
93581	1	0	0	0	0	1	100	0	0	0	0
93591	74	3	4.05	15	20.27	53	71.62	21	28.38	3	4.05
94201	1	0	0	0	0	1	100	0	0	0	0
95335	1	0	0	0	0	1	100	0	0	0	0
97190	1	0	0	0	0	1	100	0	0	0	0

**Source:**

Los Angeles County - Department of Health Services, Family Health Programs, MCAH Assessment & Planning Unit  
1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



# **Infant Mortality**

## TITLE V INDICATOR TEMPLATES

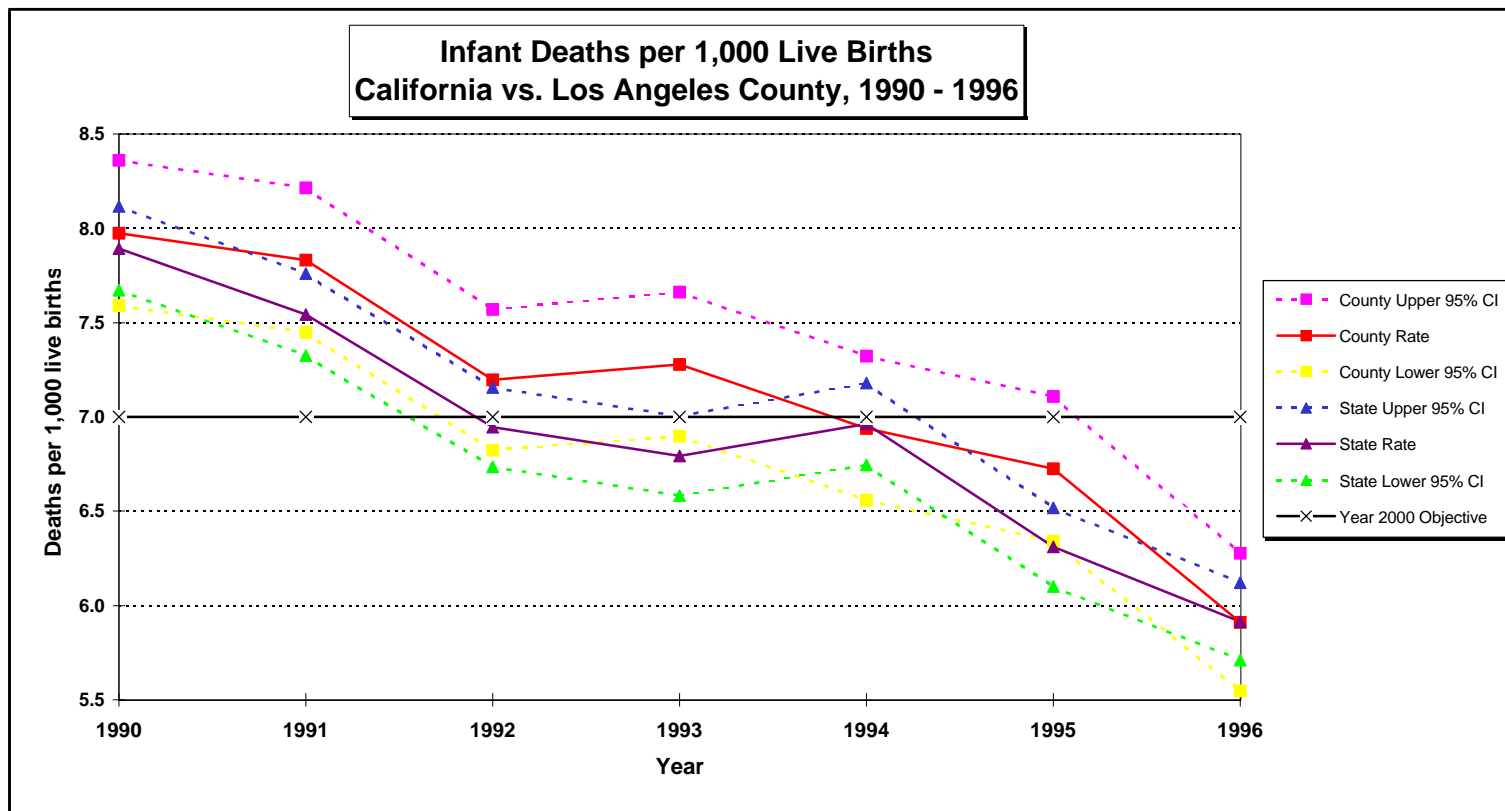
<b>INDICATOR:</b>	<b>Infant mortality Rate (infant deaths per 1,000 live births)</b>
<b>DEFINITION:</b>	The number of infant deaths per 1,000 live births occurring at less than 365 days of age
<b>NUMERATOR:</b>	The number of infant deaths occurring at less than 365 days of age, by place of residence, in a calendar year
<b>DENOMINATOR:</b>	The total number of live births, by place of residence, in a calendar year
<b>YEAR 2000 OBJECTIVE:</b>	Reduce the infant mortality rate to no more than 7 per 1,000 live births. (Baseline: 10.1 per 1,000 live births in 1987) (Objective 14.1) No more than 7 infant deaths per 1,000 live births
<b>RISK FACTORS:</b>	Race/ethnicity; prematurity/disorders related to short gestation; low birth weight; congenital anomalies; young maternal age; low maternal education level; maternal tobacco use; maternal alcohol or substance use/abuse; poor maternal nutrition; inadequate prenatal care; unintended pregnancy; maternal psychosocial problems; maternal medical complications/ chronic illness during pregnancy (including diabetes); pregnancy complications; short interpregnancy interval; injury (including domestic violence); infection; respiratory distress syndrome; family history of SIDS

	California				Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
Infant Mortality Rate	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	4,828	7.9	7.7	8.1	1,628	8.0	7.6	8.4
1991	4,596	7.5	7.3	7.8	1,588	7.8	7.4	8.2
1992	4,174	6.9	6.7	7.2	1,421	7.2	6.8	7.6
1993	3,970	6.8	6.6	7.0	1,381	7.3	6.9	7.7
1994	3,948	7.0	6.7	7.2	1,252	6.9	6.6	7.3
1995	3,478	6.3	6.1	6.5	1,176	6.7	6.3	7.1
1996	3,186	5.9	5.7	6.1	999	5.9	5.5	6.3

Infant Mortality Rate	
DENOMINATOR: Live Births	
State	County
611,666	204,124
609,228	202,737
600,838	197,415
584,483	189,706
567,034	180,394
551,226	174,862
538,628	168,973

**Source:** 1990-1996 birth and death records from California Department of Health Services, Health Data and Statistics Branch

**Note:** 1996 SDHS death data used in calculation of infant mortality rate is provisional pending resolution of discrepancies.



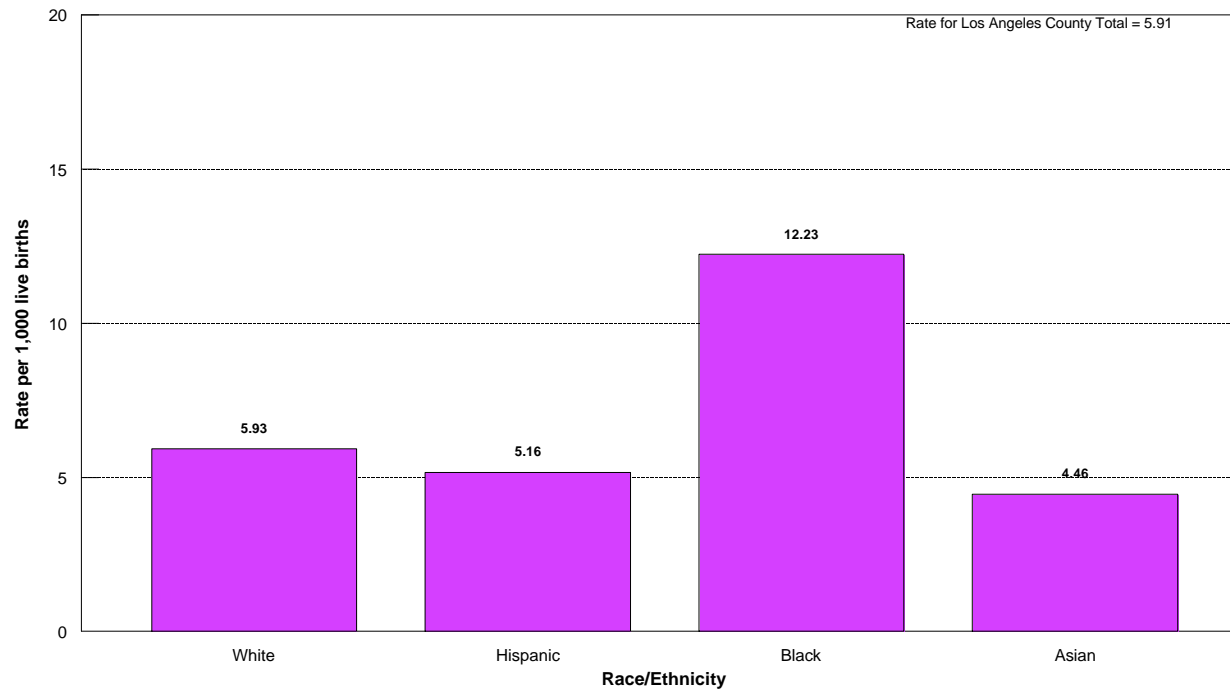
**Year 2000 Objective:** Reduce the infant mortality rate to no more than 7 per 1,000 live births.

**Note:** 1996 SDHS death data used in calculation of infant mortality rate is provisional pending resolution of discrepancies.

**Source:** 1990-1996 birth and death records from California Department of Health Services, Health Data and Statistics Branch

### Infant Mortality Rate by Child's Race/Ethnicity\*

Los Angeles County, 1996



Los Angeles County, 1996				
Infant Mortality Rate			95% Confidence Interval	
	Number	Rate	Lower	Upper
White	179	5.93	5.06	6.79
Hispanic	543	5.16	4.73	5.60
Black	201	12.23	10.55	13.91
Asian** / Pacific Islander	73	4.46	3.44	5.48
Native American	2	a	a	a
Other / Unknown	1	a	a	a
Total	999	5.91	5.55	6.28

Total Live Births / Race
30199
105175
16434
16371
465
329
168973

\* White, Black, Asian, Native American and other races exclude Hispanic ethnicity

Hispanic includes any race category

\*\* Filipino is included in Asian

Child's Hispanic origin is from mother's Hispanic origin

a: Rates are not calculated if no more than five deaths.

Year 2000 Objective: Reduce the infant mortality rate to no more than 7 per 1,000 live births.

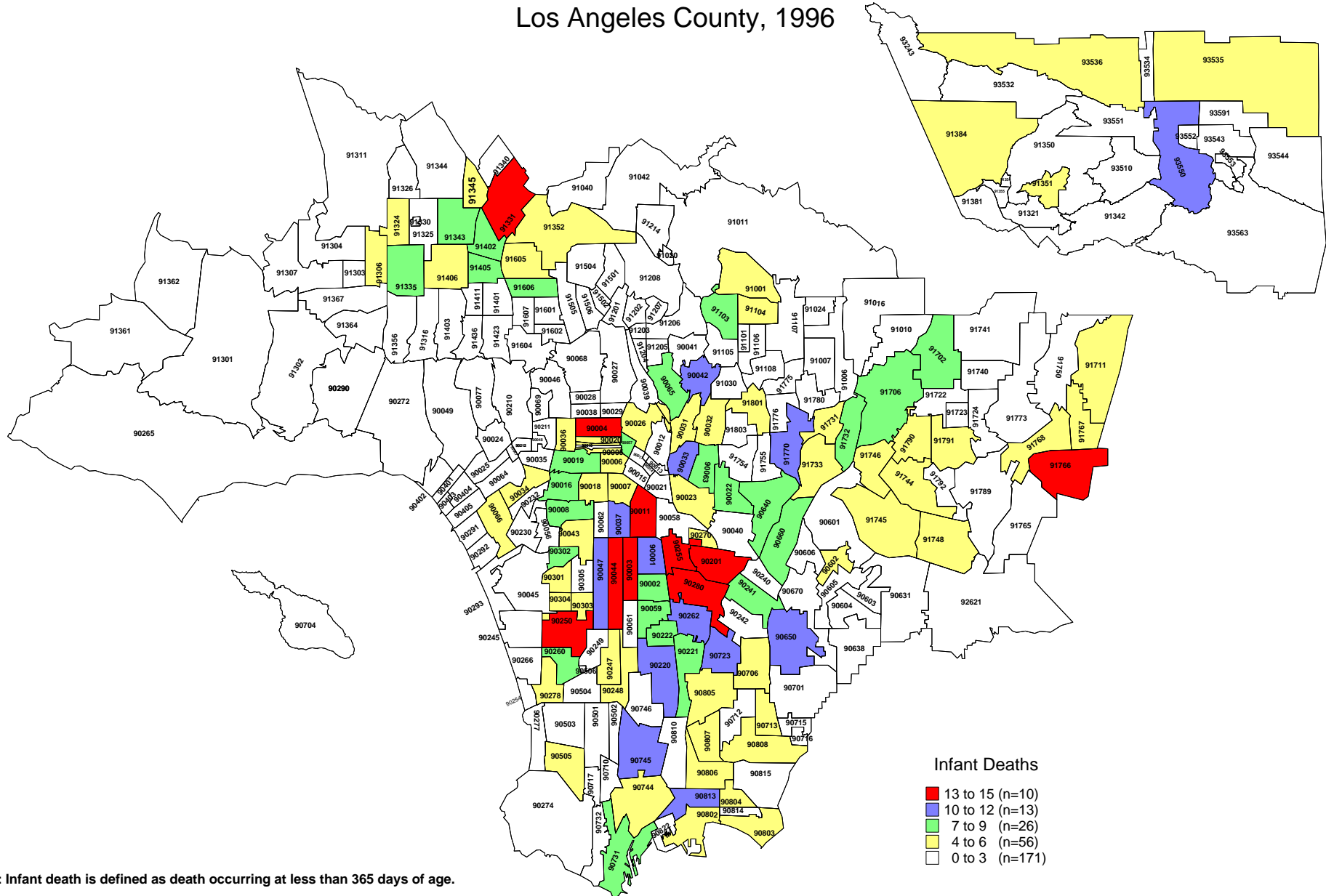
Note: Infant mortality rate is defined as deaths occurring less than 365 days per 1,000 live births

1996 SDHS death data used in calculation of infant mortality rate is provisional pending resolution of discrepancies

Source: 1996 birth and death records from the California Department of Health Services, Health Data and Statistics Branch

# Number of Infant Deaths by Zip Code

Los Angeles County, 1996



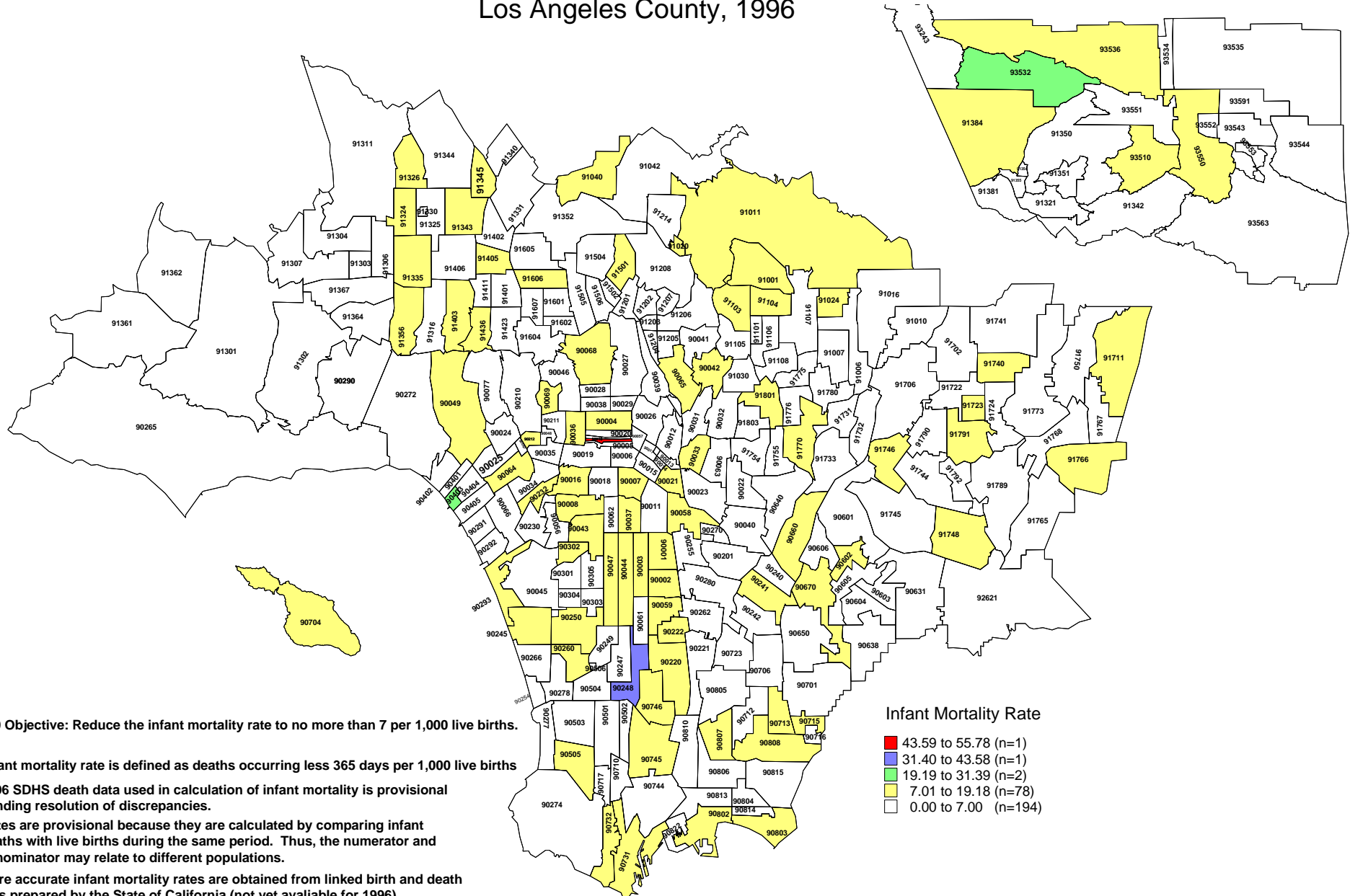
Note: Infant death is defined as death occurring at less than 365 days of age.

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

# Infant Mortality Rate by Zip Code

Los Angeles County, 1996



\*Year 2000 Objective: Reduce the infant mortality rate to no more than 7 per 1,000 live births.

Note: Infant mortality rate is defined as deaths occurring less 365 days per 1,000 live births

1996 SDHS death data used in calculation of infant mortality is provisional pending resolution of discrepancies.

Rates are provisional because they are calculated by comparing infant deaths with live births during the same period. Thus, the numerator and denominator may relate to different populations.

More accurate infant mortality rates are obtained from linked birth and death files prepared by the State of California (not yet available for 1996)

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Neonatal mortality rate (neonatal deaths per 1,000 live births)

**DEFINITION:** The number of infant deaths per 1,000 live births occurring at less than 28 days of age

**NUMERATOR:** The number of infant deaths occurring at less than 28 days of age, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**  
Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births. (Baseline: 6.5 in 1987) (Objective 14.1d)

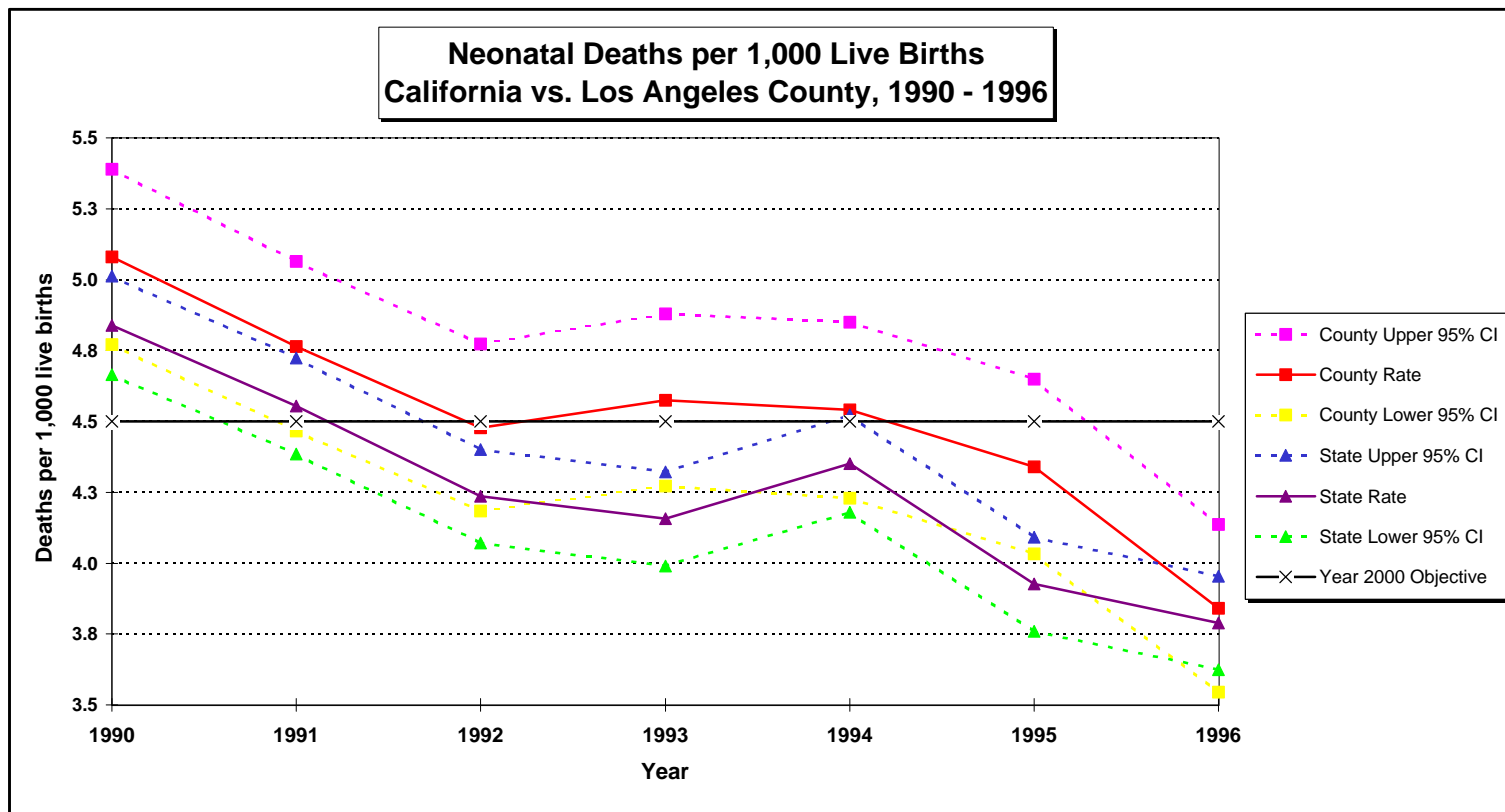
**RISK FACTORS:** Congenital anomalies; respiratory distress syndrome; short gestation; low birth weight; maternal complications; race/ethnicity (Black, Puerto Rican)

See also risk factors for infant mortality.

	California				Los Angeles County				Neonatal Mortality Rate	
			95% Confidence Interval				95% Confidence Interval		DENOMINATOR: Live Births	
Neonatal Mortality Rate	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper	State	County
1990	2,959	4.8	4.7	5.0	1,037	5.1	4.8	5.4	611,666	204,124
1991	2,774	4.6	4.4	4.7	966	4.8	4.5	5.1	609,228	202,737
1992	2,545	4.2	4.1	4.4	884	4.5	4.2	4.8	600,838	197,415
1993	2,429	4.2	4.0	4.3	868	4.6	4.3	4.9	584,483	189,706
1994	2,467	4.4	4.2	4.5	819	4.5	4.2	4.9	567,034	180,394
1995	2,164	3.9	3.8	4.1	759	4.3	4.0	4.6	551,226	174,862
1996	2,041	3.8	3.6	4.0	649	3.8	3.5	4.1	538,628	168,973

**Source:** 1990-1996 birth and death records from California Department of Health Services, Health Data and Statistics Branch

**Note:** 1996 SDHS death data used in calculation of neonatal mortality rate is provisional pending resolution of discrepancies.



**Year 2000 Objective:** Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.

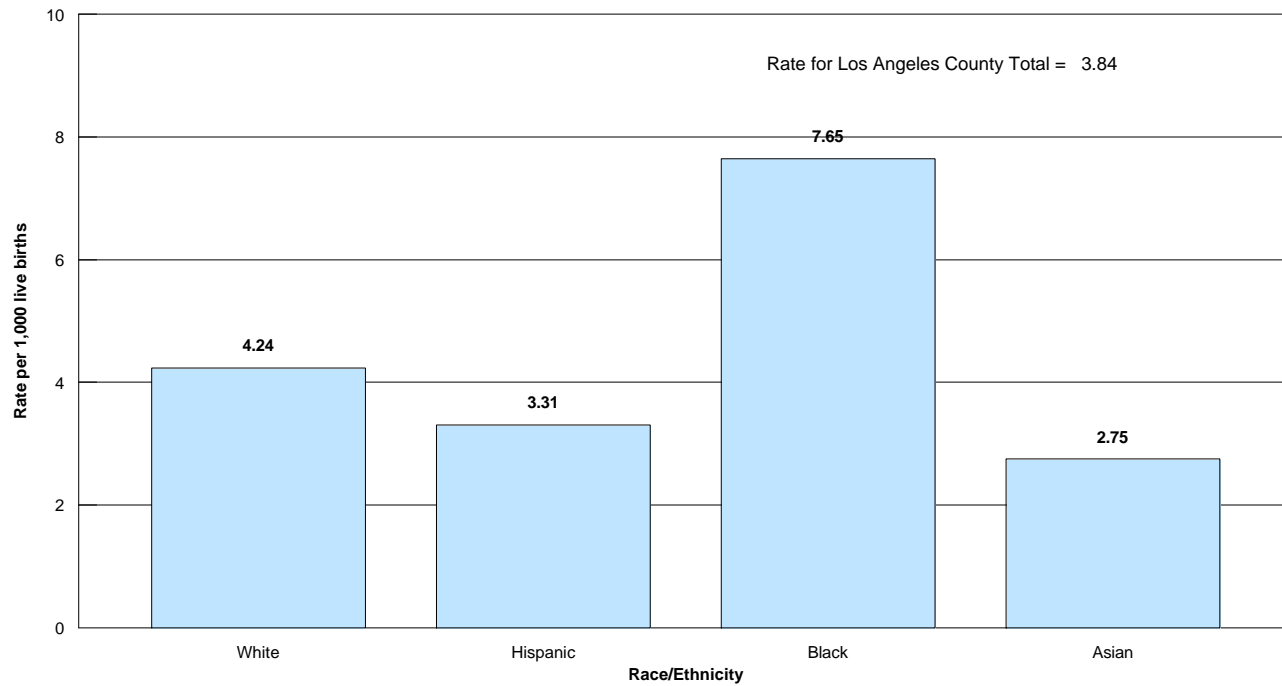
**Note:** 1996 SDHS death data used in calculation of neonatal mortality rate is provisional pending resolution of discrepancies.

**Source:** 1990-1996 birth and death records from California Department of Health Services, Health Data and Statistics Branch



## Neonatal Mortality Rate by Child's Race/Ethnicity\*

Los Angeles County, 1996



Los Angeles County, 1996				
Neonatal Mortality Rate	Number	Rate	95 % Confidence Interval	
			Lower	Upper
White	128	4.24	3.51	4.97
Hispanic	348	3.31	2.96	3.66
Black	126	7.65	6.32	8.98
Asian** / Pacific Islander	45	2.75	1.95	3.55
Native American	1	a	a	a
Other / Unknown	1	a	a	a
Total	649	3.84	3.55	4.14

Total Live Births / Race
30,199
105,175
16,464
16,371
465
329
168,973

\* White, Black, Asian, Native American and other races exclude Hispanic ethnicity.

Hispanic includes any race category

\*\* Filipino is included in Asian

Child's Hispanic origin is from mother's Hispanic origin

a: Rates are not calculated if no more than five deaths

Year 2000 Objective: Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.

Note: Neonatal mortality rate is defined as deaths less than 28 days per 1,000 live births

1996 SDHS death data used in calculation of neonatal mortality rate is provisional pending resolution of discrepancies.

Source: 1996 birth and death records from the California Department of Health Services, Health Data and Statistics Branch

Los Angeles County, 1996

Number of Neonatal Deaths

- 9 to 10 (n=9)
- 7 to 8 (n=12)
- 5 to 6 (n=23)
- 3 to 4 (n=54)
- 0 to 2 (n=178)

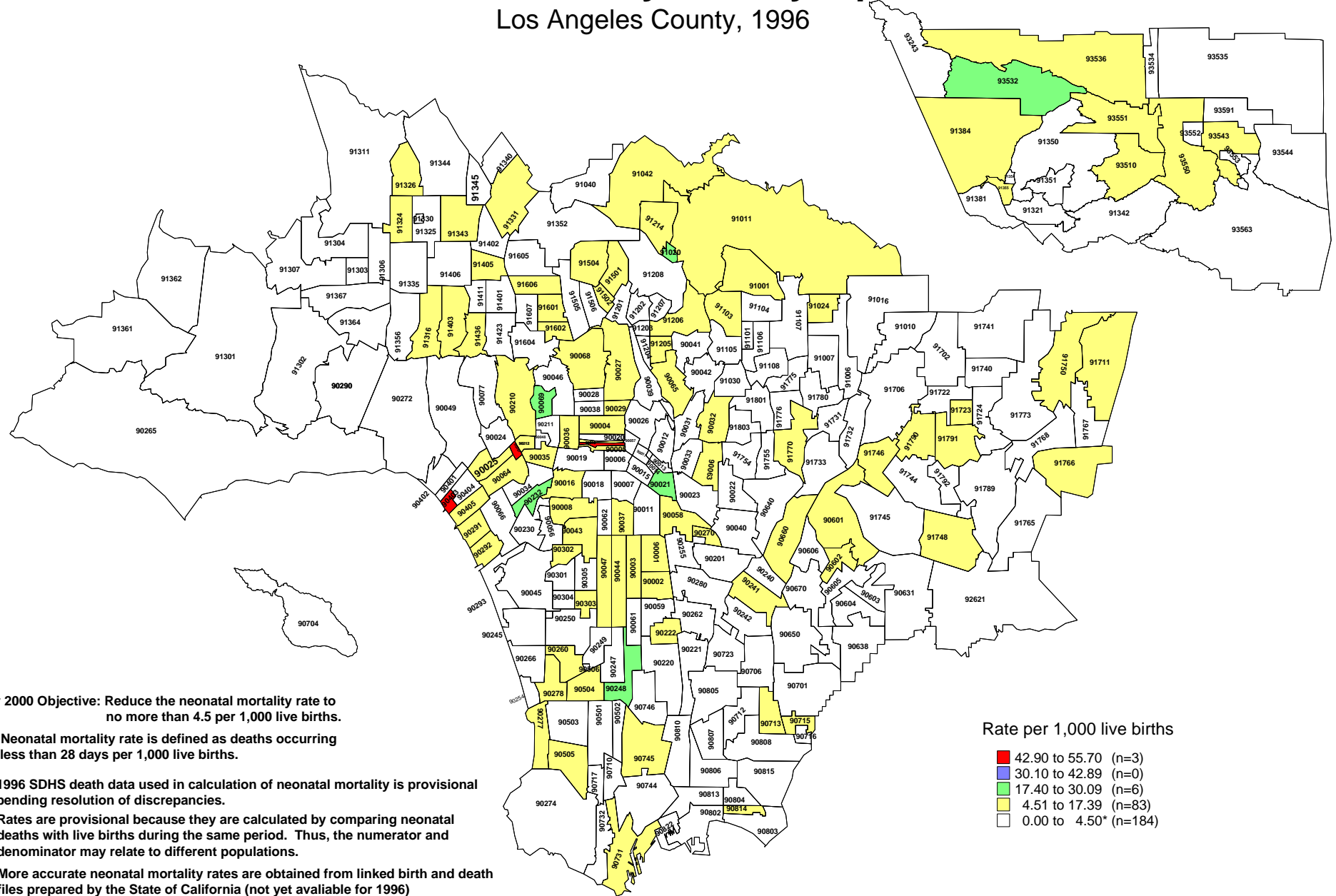
Source: Neonatal deaths are defined as deaths occurring less than 28 days per 1,000 live births. 1996 SDHS death data is provisional pending resolution of discrepancies.

**Source:**

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

# Neonatal Mortality Rate by Zip Code

Los Angeles County, 1996



\*Year 2000 Objective: Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.

Note: Neonatal mortality rate is defined as deaths occurring less than 28 days per 1,000 live births.

1996 SDHS death data used in calculation of neonatal mortality is provisional pending resolution of discrepancies.

Rates are provisional because they are calculated by comparing neonatal deaths with live births during the same period. Thus, the numerator and denominator may relate to different populations.

More accurate neonatal mortality rates are obtained from linked birth and death files prepared by the State of California (not yet available for 1996)

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Post-neonatal mortality rate (post-neonatal deaths per 1,000 live births)

**DEFINITION:** The number of infant deaths per 1,000 live births occurring between 28 and 364 days of age

**NUMERATOR:** The number of infant deaths occurring at age 28 to 364 days of age, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**  
Reduce the post-neonatal mortality rate to no more than 2.5 per 1,000 live births. (Baseline: 3.6 in 1987) (Objective 14.1g)

**RISK FACTORS:** Congenital anomalies; injuries; infection in late pregnancy; family history of SIDS; maternal smoking or drug use; young maternal age (teen births); race/ethnicity (Black, American Indian, Puerto Rican)

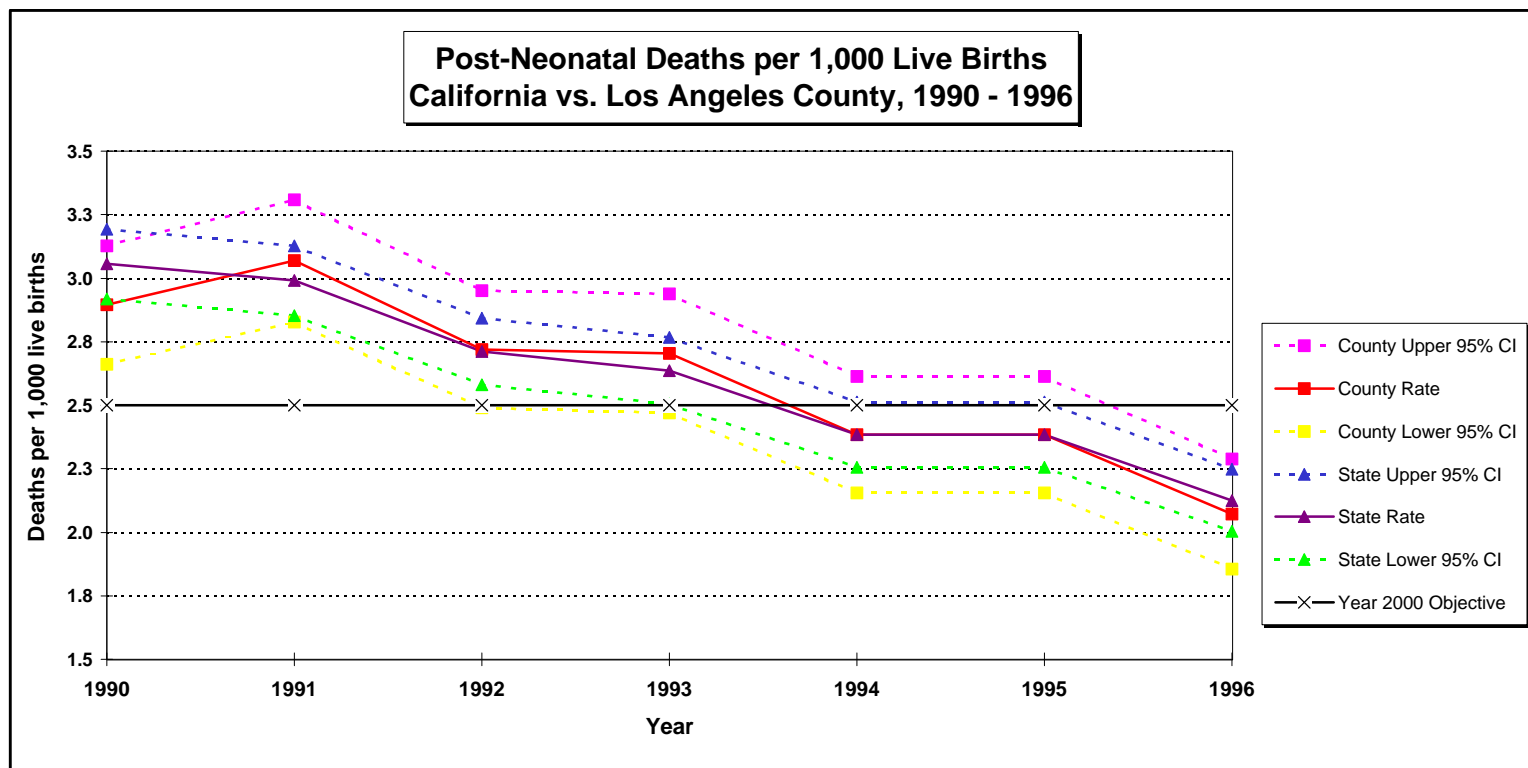
See also risk factors for infant mortality.

	California				Los Angeles County			
			95% Confidence Interval				95% Confidence Interval	
Post-Neonatal Mortality Rate	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	1,869	3.1	2.9	3.2	591	2.9	2.7	3.1
1991	1,822	3.0	2.9	3.1	622	3.1	2.8	3.3
1992	1,629	2.7	2.6	2.8	537	2.7	2.5	2.9
1993	1,541	2.6	2.5	2.8	513	2.7	2.5	2.9
1994	1,481	2.6	2.5	2.7	433	2.4	2.2	2.6
1995	1,314	2.4	2.3	2.5	417	2.4	2.2	2.6
1996	1,145	2.1	2.0	2.2	350	2.1	1.9	2.3

**Source:** 1990-1996 birth and death records from California Department of Health Services, Health Data and Statistics Branch

**Note:** 1996 SDHS death data used in calculation of post-neonatal mortality is provisional pending resolution of discrepancies.

Post-Neonatal Mortality Rate	
DENOMINATOR: Live Births	
State	County
611,666	204,124
609,228	202,737
600,838	197,415
584,483	189,706
567,034	180,394
551,226	174,862
538,628	168,973



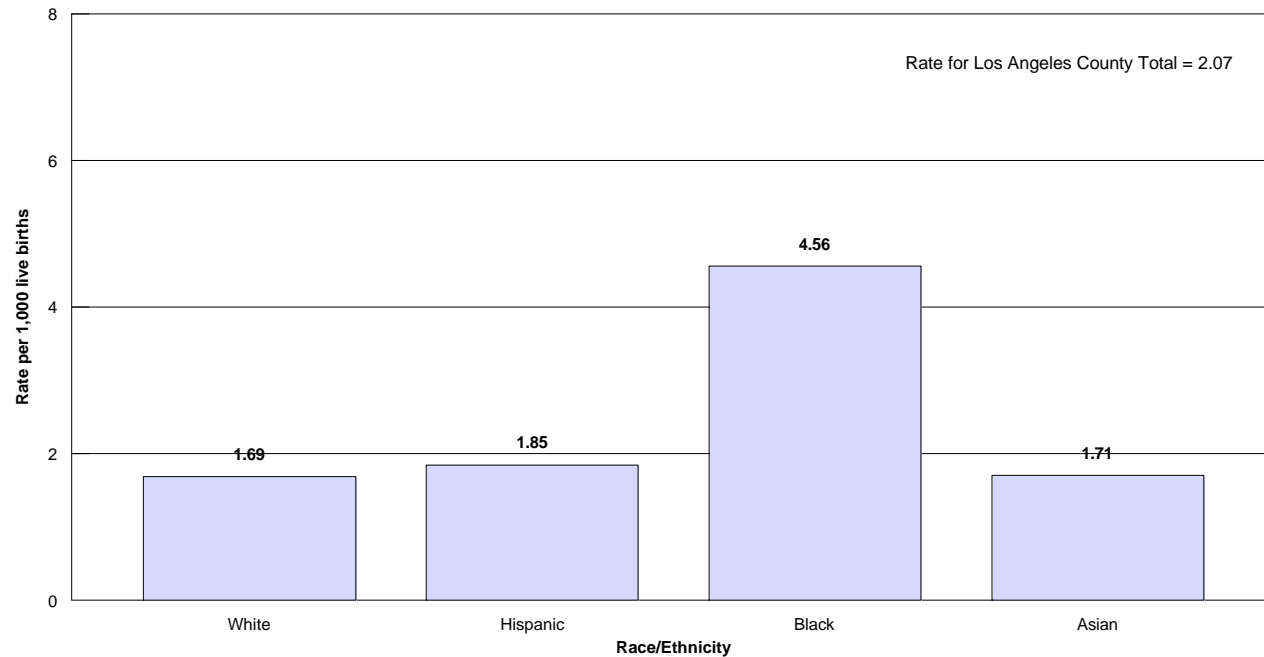
**Year 2000 Objective:** Reduce the neonatal mortality rate to no more than 2.5 per 1,000 live births.

**Note:** 1996 SDHS death data used in calculation of post-neonatal mortality rate is provisional pending resolution of discrepancies.

**Source:** 1990-1996 birth and death records from California Department of Health Services, Health Data and Statistics Branch

## Post-Neonatal Mortality Rate by Child's Race/Ethnicity\*

Los Angeles County, 1996



Post-Neonatal Mortality Rate	Los Angeles County, 1996			
	Number	Rate	95 % Confidence Interval	
			Lower	Upper
White	51	1.69	1.23	2.15
Hispanic	195	1.85	1.59	2.11
Black	75	4.56	3.53	5.59
Asian** / Pacific Islander	28	1.71	1.08	2.34
Native American	1	a	a	a
Other / Unknown	0	0.00	0.00	0.00
Total	350	2.07	1.85	2.29

Total Live Births / Race
30,199
105,175
16,434
16,371
465
329
168,973

\* White, Black, Asian, Native American and other races exclude Hispanic ethnicity

Hispanic includes any race category

\*\* Filipino is included in Asian

Child's Hispanic origin is from mother's Hispanic origin

a: Rates are not calculated if no more than five deaths.

Year 2000 Objective: Reduce the post-neonatal mortality rate to no more than 2.5 per 1,000 live births.

Note: Post-neonatal mortality rate is defined as deaths occurring between ages 28 and 364 days per 1,000 live births

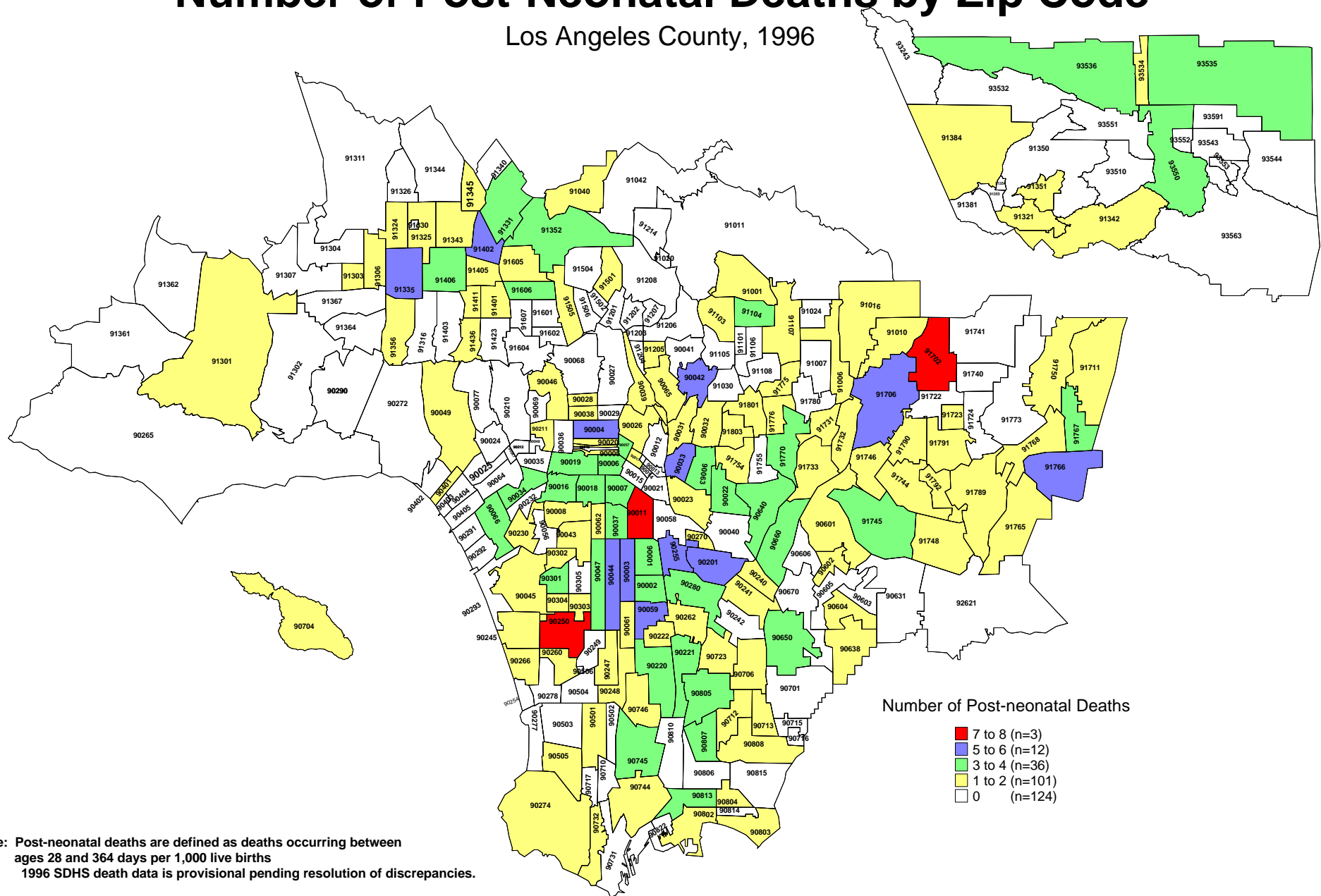
1996 SDHS death data used in calculation of post-neonatal mortality rate is provisional pending resolution of discrepancies.

Source: 1996 birth and death records from the California Department of Health Services, Health Data and Statistics Branch

Los Angeles County - Department of Health Services

# Number of Post-Neonatal Deaths by Zip Code

Los Angeles County, 1996



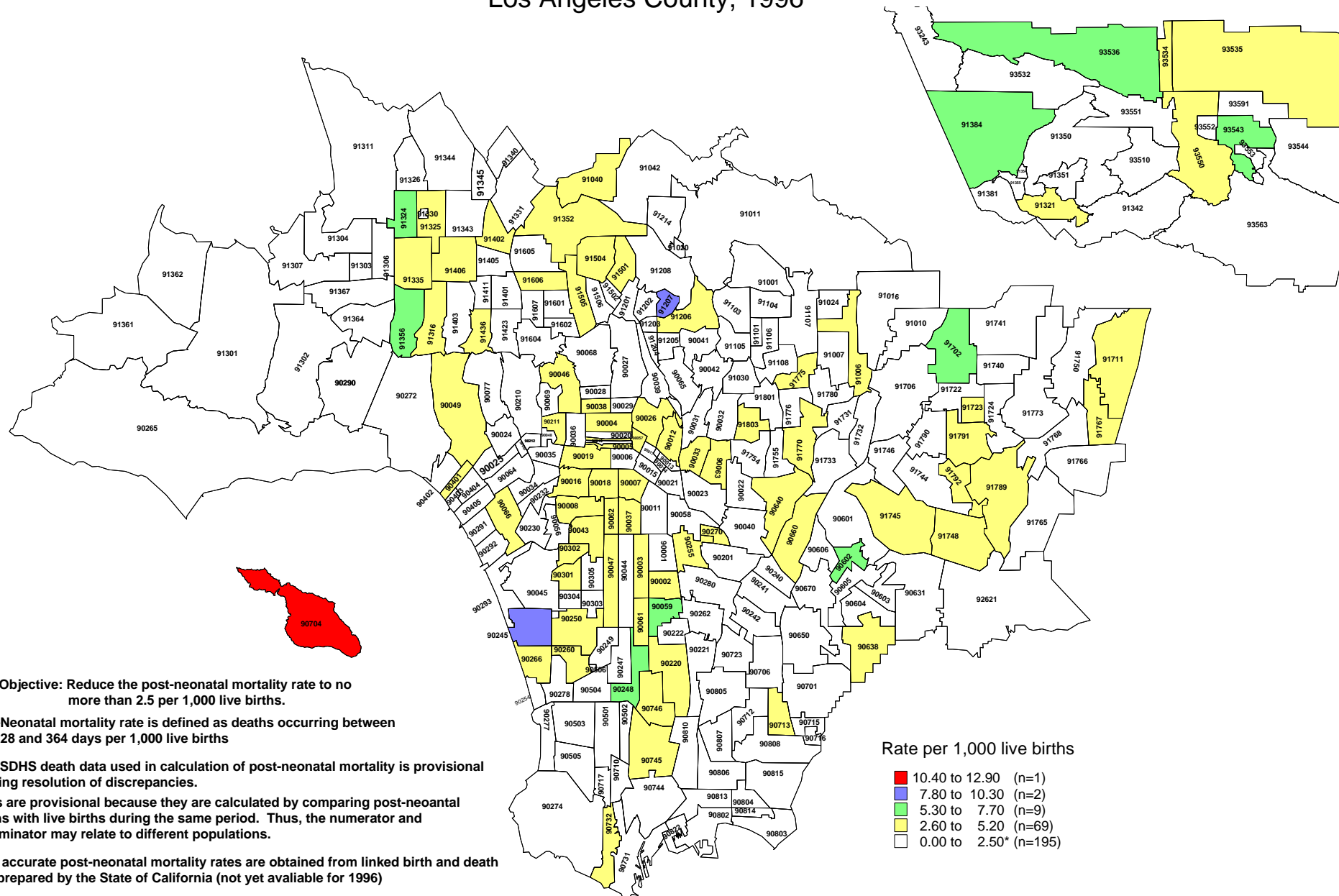
Note: Post-neonatal deaths are defined as deaths occurring between ages 28 and 364 days per 1,000 live births  
1996 SDHS death data is provisional pending resolution of discrepancies.

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

# Post-Neonatal Mortality Rate by Zip Code

Los Angeles County, 1996



\*Year 2000 Objective: Reduce the post-neonatal mortality rate to no more than 2.5 per 1,000 live births.

Note: Post-Neonatal mortality rate is defined as deaths occurring between ages 28 and 364 days per 1,000 live births

1996 SDHS death data used in calculation of post-neonatal mortality is provisional pending resolution of discrepancies.

Rates are provisional because they are calculated by comparing post-neonatal deaths with live births during the same period. Thus, the numerator and denominator may relate to different populations.

More accurate post-neonatal mortality rates are obtained from linked birth and death files prepared by the State of California (not yet available for 1996)

Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.



# **Fetal Mortality**

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Fetal mortality rate (fetal deaths per 1,000 live births plus fetal deaths)

**DEFINITION:** The number of fetal deaths of 20 weeks or more gestation per 1,000 live births plus fetal deaths

**NUMERATOR:** The number of fetal deaths of 20 weeks or more gestation, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births plus fetal deaths, by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:** Reduce the fetal death rate (20 or more weeks of gestation) to no more than 5 per 1,000 live births plus fetal deaths. (Baseline: 7.6 per 1,000 live births plus fetal deaths in 1987) (Objective 14.2)

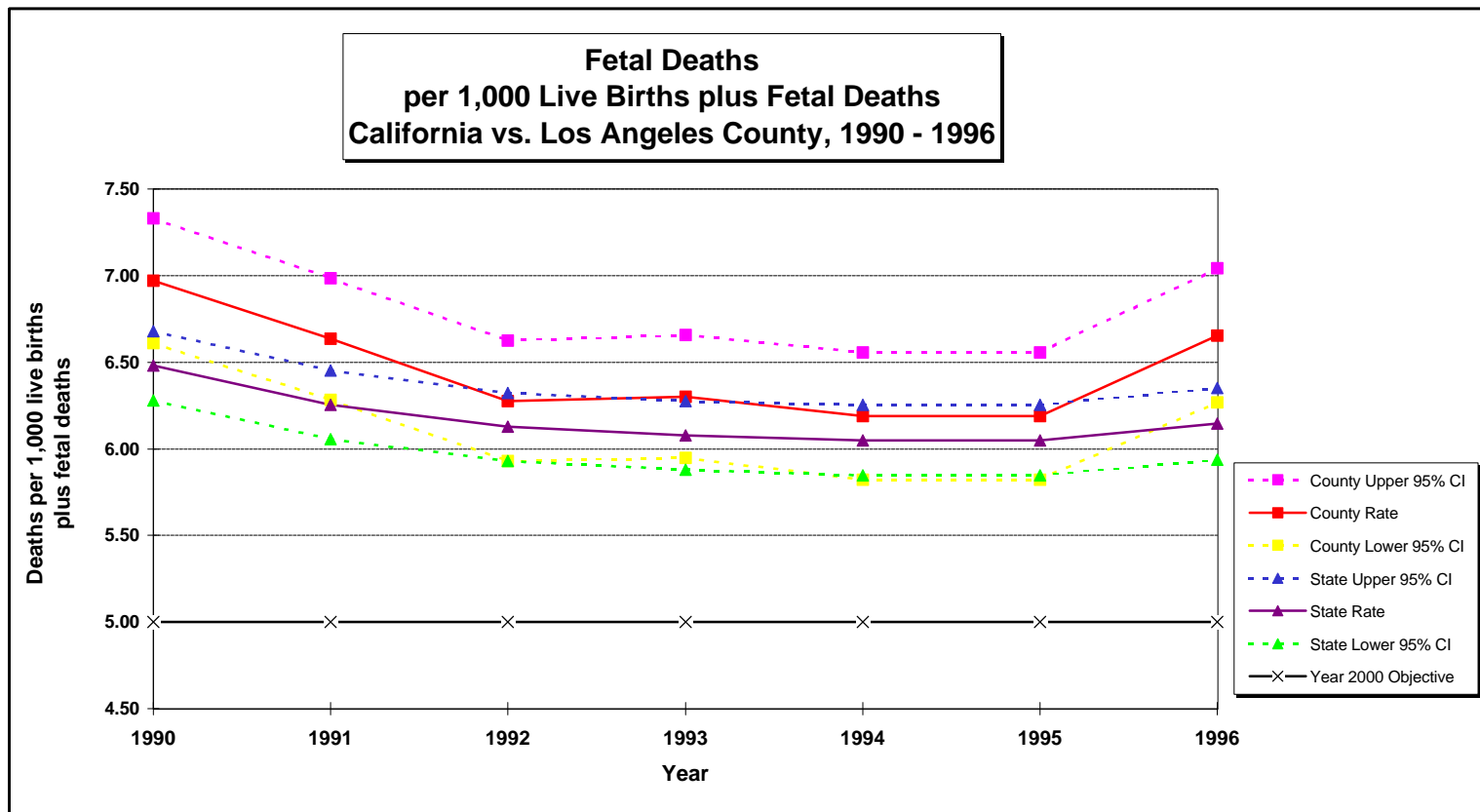
**RISK FACTORS:** Race/ethnicity (Black); maternal diabetes; pregnancy complications; maternal medical complications/chronic illness during pregnancy (including severe maternal infection); Rh sensitization; congenital anomalies; intrauterine cocaine exposure; maternal history of miscarriage

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Fetal Mortality Rate	Number	Ratio	Lower	Upper	Number	Ratio	Lower	Upper
1990	3,989	6.5	6.3	6.7	1,433	7.0	6.6	7.3
1991	3,834	6.3	6.1	6.5	1,354	6.6	6.3	7.0
1992	3,704	6.1	5.9	6.3	1,247	6.3	5.9	6.6
1993	3,574	6.1	5.9	6.3	1,203	6.3	5.9	6.7
1994	3,299	5.8	5.6	6.0	1,153	6.4	6.0	6.7
1995	3,355	6.0	5.8	6.3	1,089	6.2	5.8	6.6
1996	3,330	6.1	5.9	6.4	1,132	6.7	6.3	7.0

Fetal Mortality Rate	
DENOMINATOR: Births*	
State	County
615,655	205,557
613,062	204,091
604,542	198,662
588,057	190,909
570,333	181,547
554,581	175,951
541,958	170,105

\* Number of births = number of live births + number of fetal deaths

**Source:** 1990-1996 birth and fetal death records from California Department of Health Services, Health Data and Statistics Branch

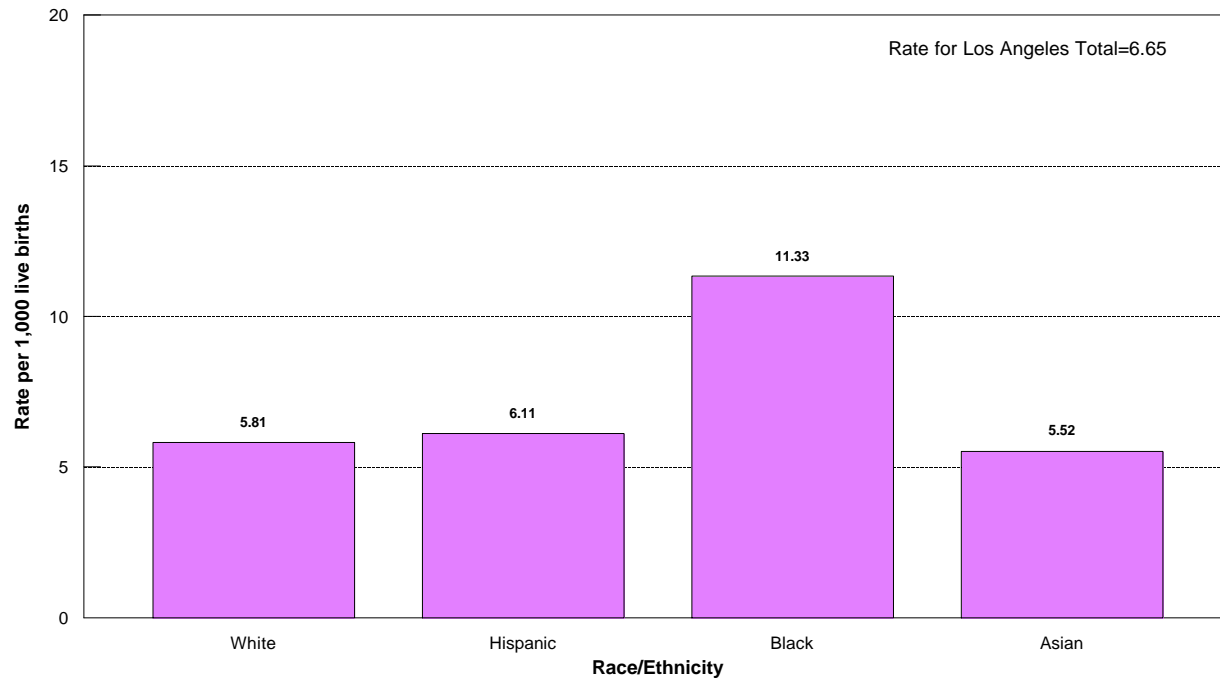


**Year 2000 Objective:** Reduce the fetal death rate (20 or more weeks of gestation) to no more than 5 per 1,000 live births plus fetal deaths.

**Source:** 1990-1996 birth and fetal death records from California Department of Health Services, Health Data and Statistics Branch

### Fetal Mortality Rate by Child's Race/Ethnicity\*

Los Angeles County, 1996



Los Angeles County, 1996				
Fetal Mortality Rate	Number	Rate	95% Confidence Interval	
			Lower	Upper
White	188	5.81	4.98	6.64
Hispanic	647	6.11	5.64	6.58
Black	174	11.33	9.66	13.00
Asian** /Pacific Islander	88	5.52	4.37	6.67
Native American	0	a	a	a
Other / Unknown	35	104.48	71.72	137.23
Total	1,132	6.65	6.27	7.04

Total Births / Race
32,339
105,822
15,358
15,938
313
335
170,105

\* White, Black, Asian, Native American and other races exclude Hispanic ethnicity  
Hispanic includes any race category

\*\* Filipino is included in Asian  
Child's Hispanic origin is from mother's Hispanic origin  
a: Rates are not calculated if no more than five deaths.

Year 2000 Objective: Reduce the fetal death rate ( 20 or more weeks of gestation) to no more than 5 per 1,000 live births plus fetal deaths.

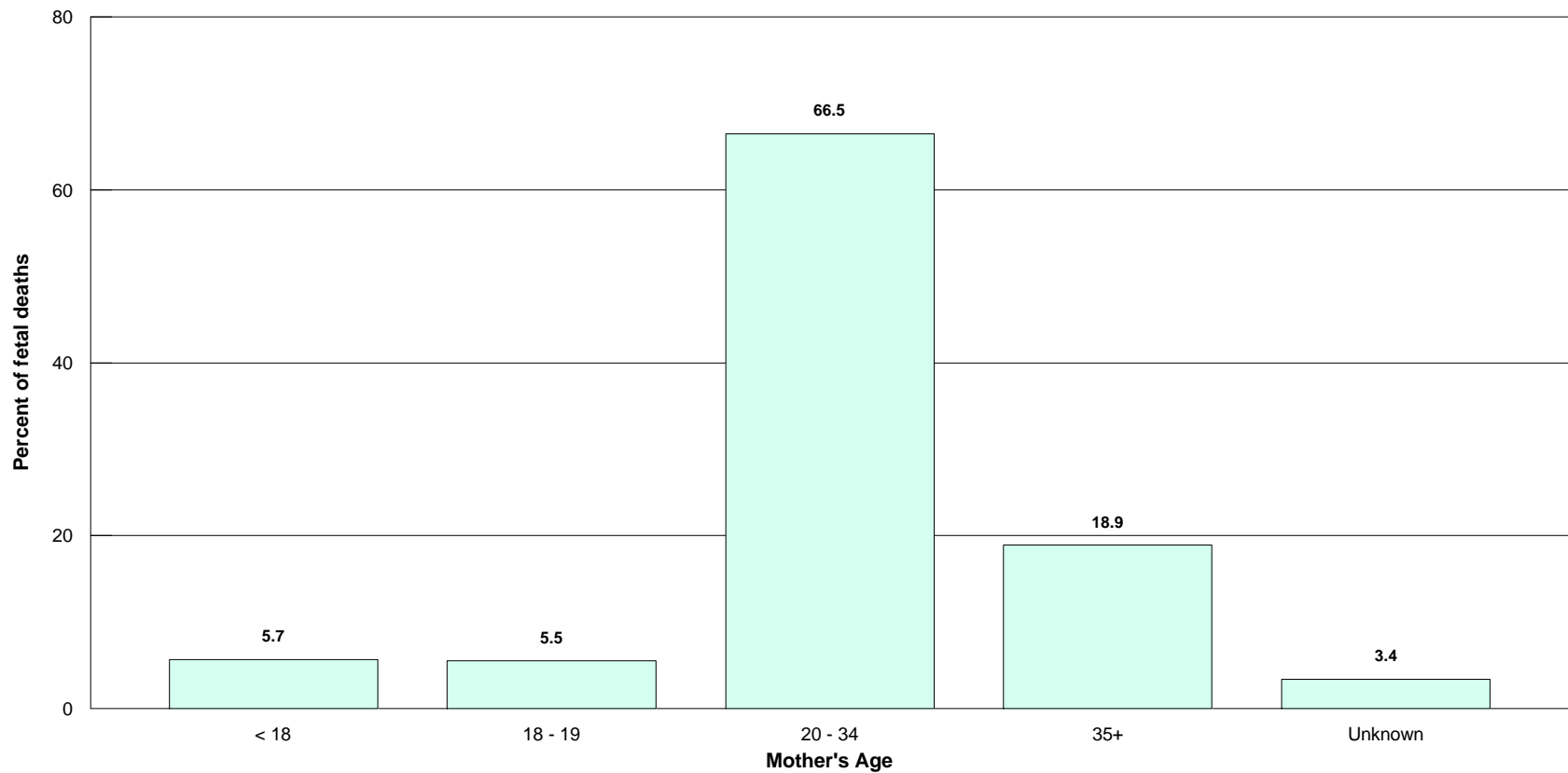
Note: Fetal mortality rates are fetal deaths per 1,000 live births plus fetal deaths.

Fetal deaths are those occurring during 20 weeks or more gestational period.

Source: 1996 birth and fetal death records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Fetal Deaths by Mother's Age

Los Angeles County, 1996



Mother's Age									
< 18		18 - 19		20 - 34		35+		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
64	5.7	62	5.5	753	66.5	214	18.9	39	3.4

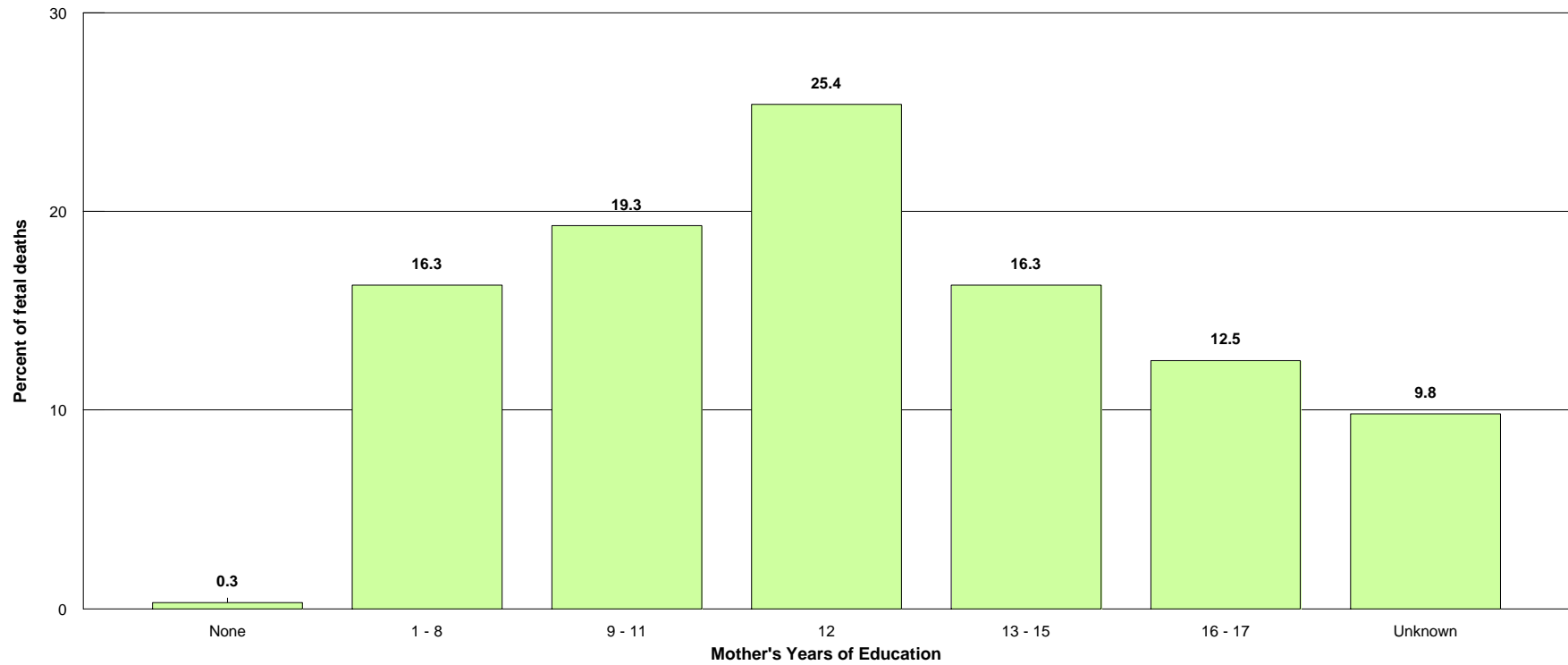
Note: Total fetal deaths in 1996 = 1,132

Fetal deaths are those occurring during 20 weeks or more gestational period.

Source: 1996 fetal death records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Fetal Deaths by Mother's Years of Education

Los Angeles County, 1996



Years of Education													
None		1 - 8		9 - 11		12		13 - 15		16 - 17		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
3	0.3	185	16.3	218	19.3	288	25.4	185	16.3	142	12.5	111	9.8

Note: Total fetal deaths in 1996 = 1,132

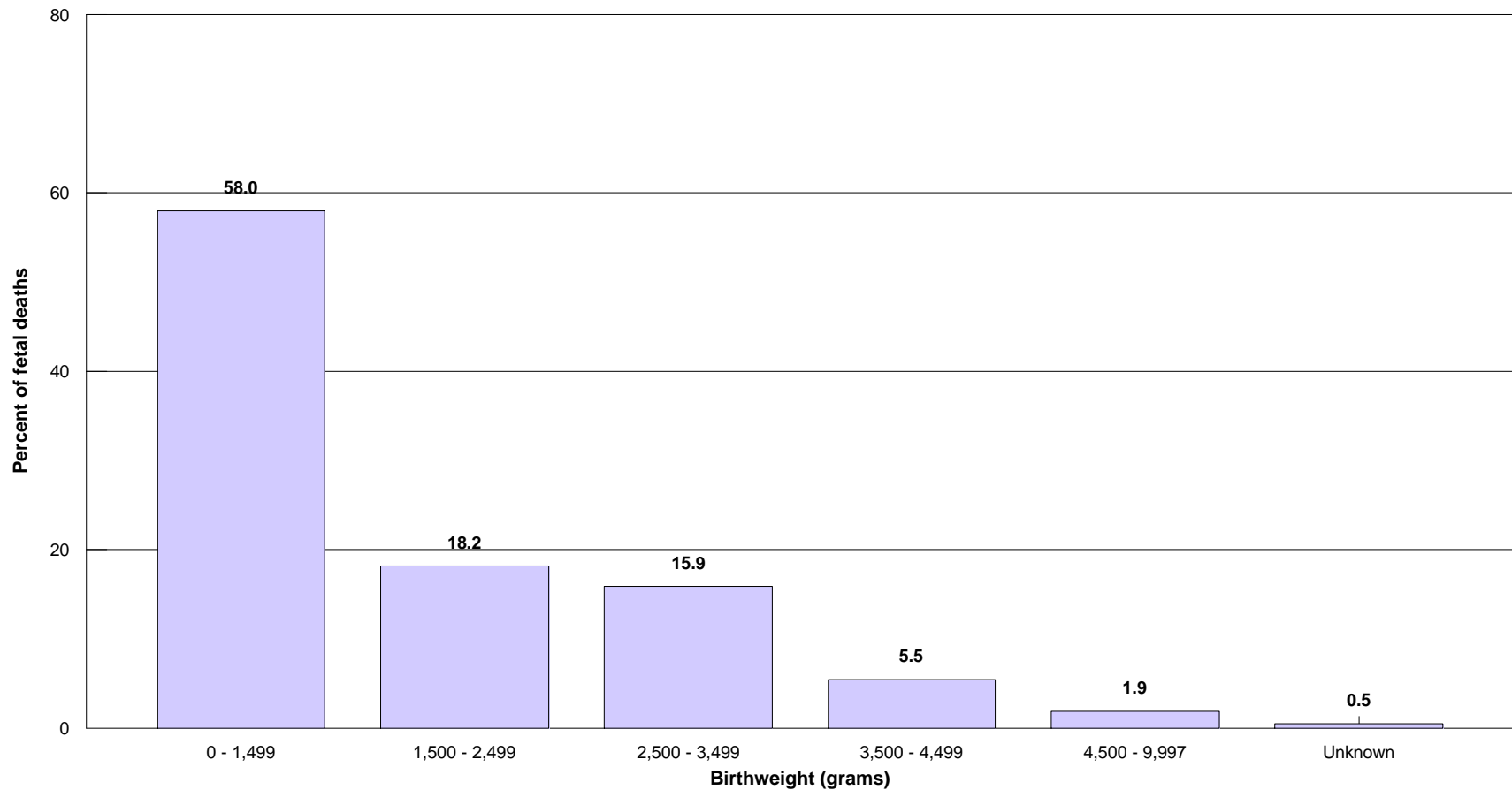
Fetal deaths are those occurring during 20 weeks or more gestational period.

Year '17' = mothers who attained college degree or above

Source: 1996 fetal death records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Fetal Deaths by Birthweight Category

Los Angeles County, 1996



Birthweight (grams)											
0 - 1,499		1,500 - 2,499		2,500 - 3,499		3,500 - 4,499		4,500 - 9,997		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
657	58.0	206	18.2	180	15.9	62	5.5	21	1.9	6	0.5

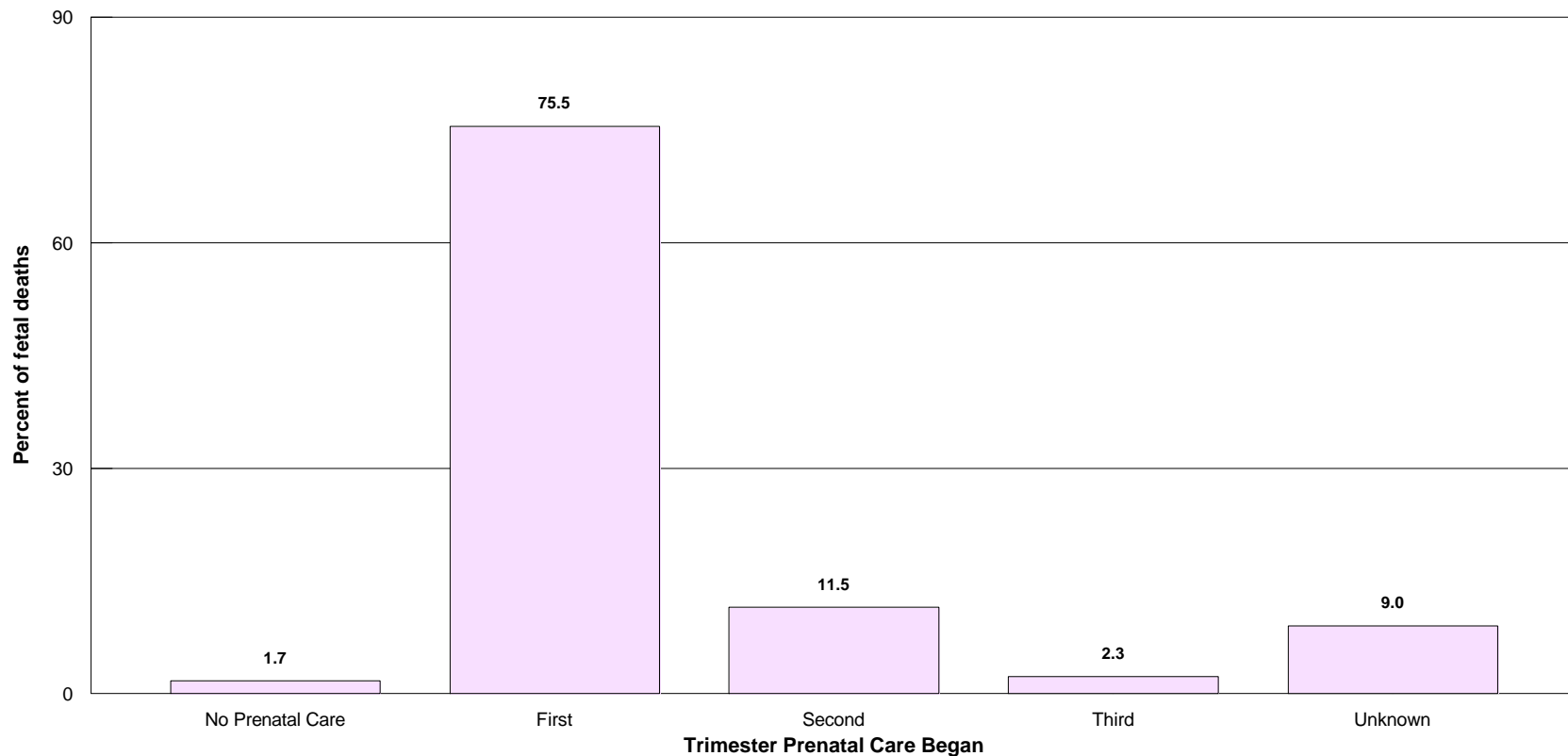
Note: Total fetal deaths in 1996 = 1,132

Fetal deaths are those occurring during 20 weeks or more gestational period.

Source: 1996 fetal death records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Fetal Deaths by Mother's Trimester Prenatal Care Began

Los Angeles County, 1996



Trimester PNC Began									
No PNC		First		Second		Third		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
19	1.7	855	75.5	130	11.5	26	2.3	102	9.0

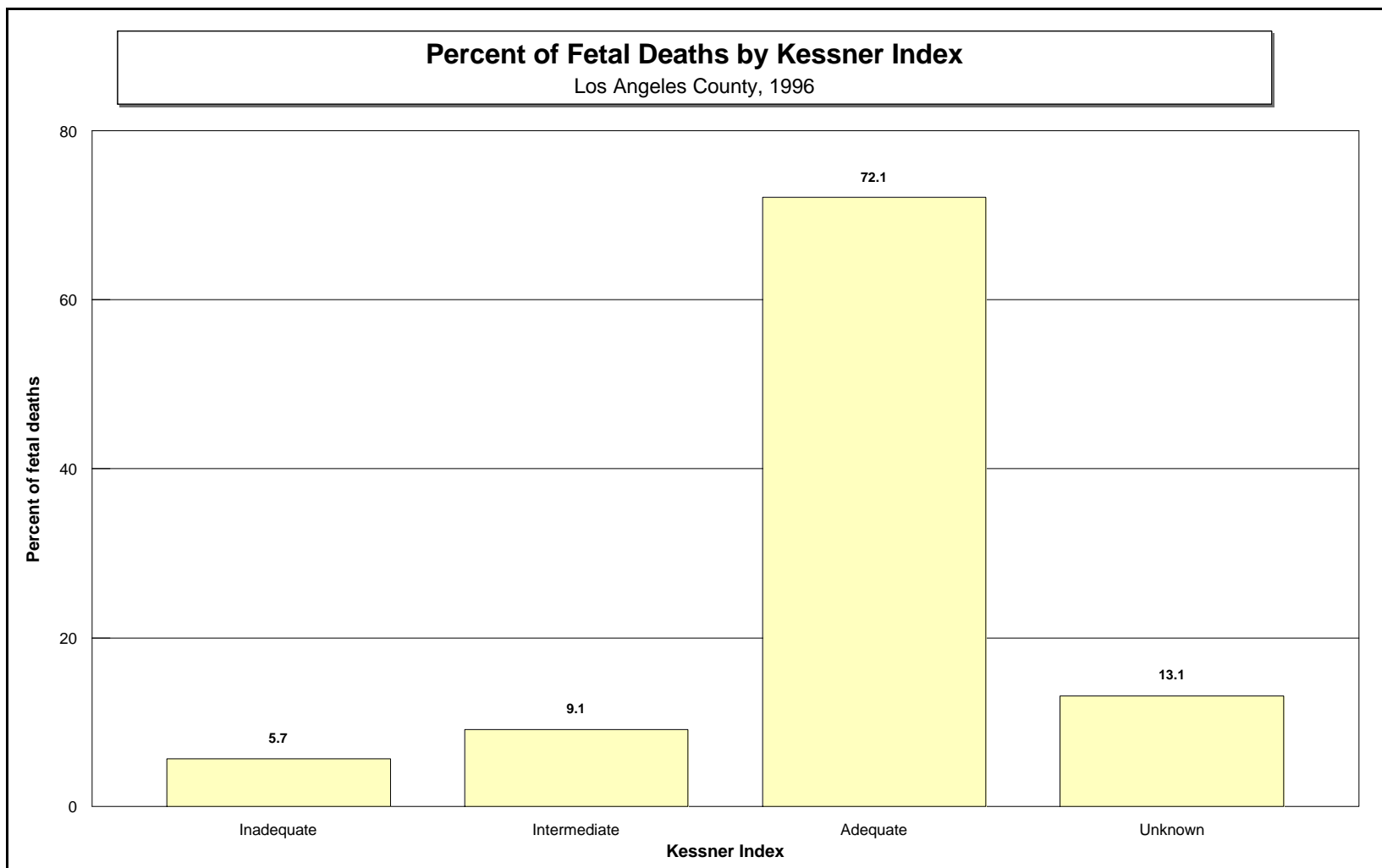
Note: Total fetal deaths in 1996 = 1,132

Fetal deaths are those occurring during 20 weeks or more gestational period.

PNC = 'Prenatal Care

Source: 1996 fetal death records from the California Department of Health Services, Health Data and Statistics Branch





Kessner Index							
Inadequate		Intermediate		Adequate		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent
65	5.7	103	9.1	816	72.1	148	13.1

Note: Total fetal deaths in 1996 = 1,132

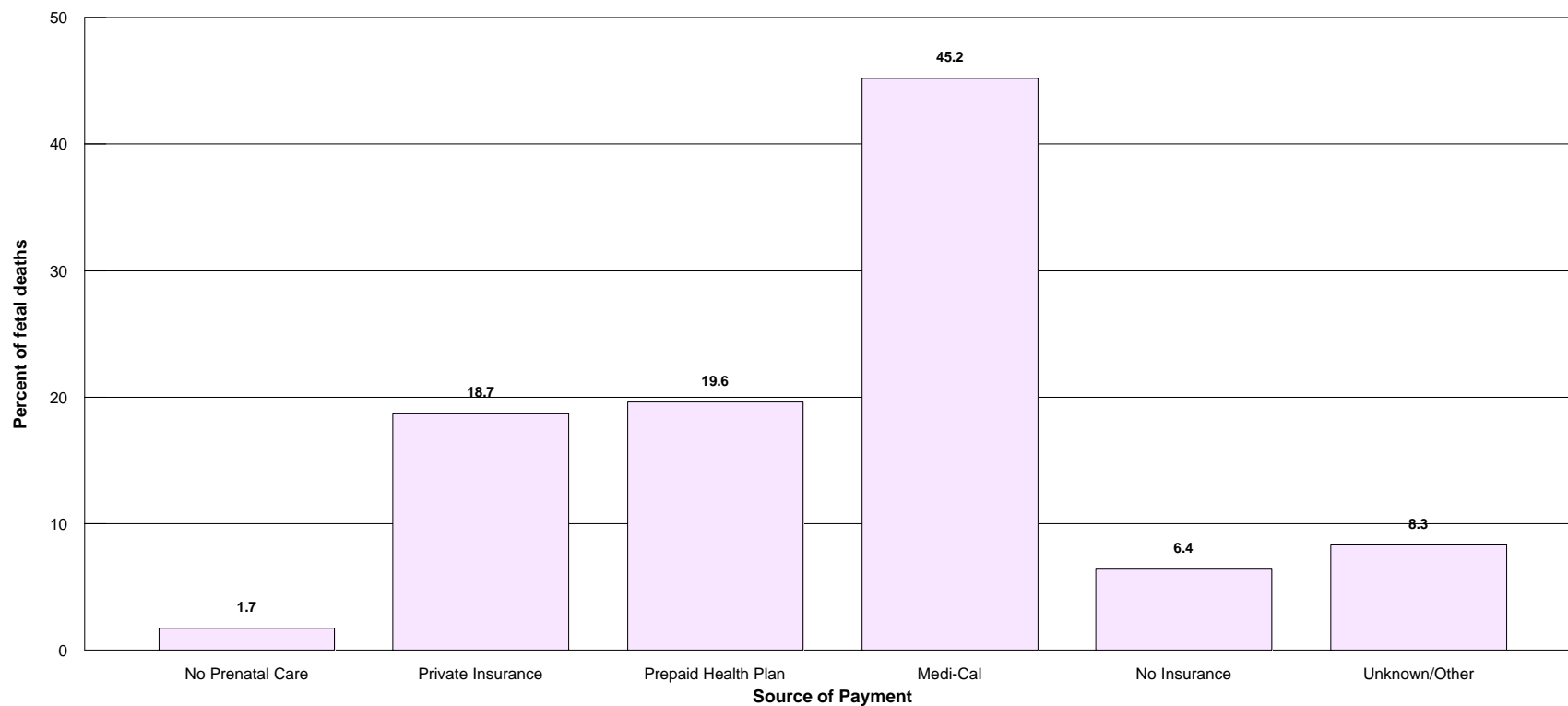
Fetal deaths are those occurring during 20 weeks or more gestational period.

The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 fetal death records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Fetal Deaths by Source of Payment for Prenatal Care

Los Angeles County, 1996



No Prenatal Care		Private Insurance		Prepaid Health Plan		Medi-Cal		No Insurance		Unknown/Other	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
19	1.7	212	18.7	222	19.6	512	45.2	73	6.4	94	8.3

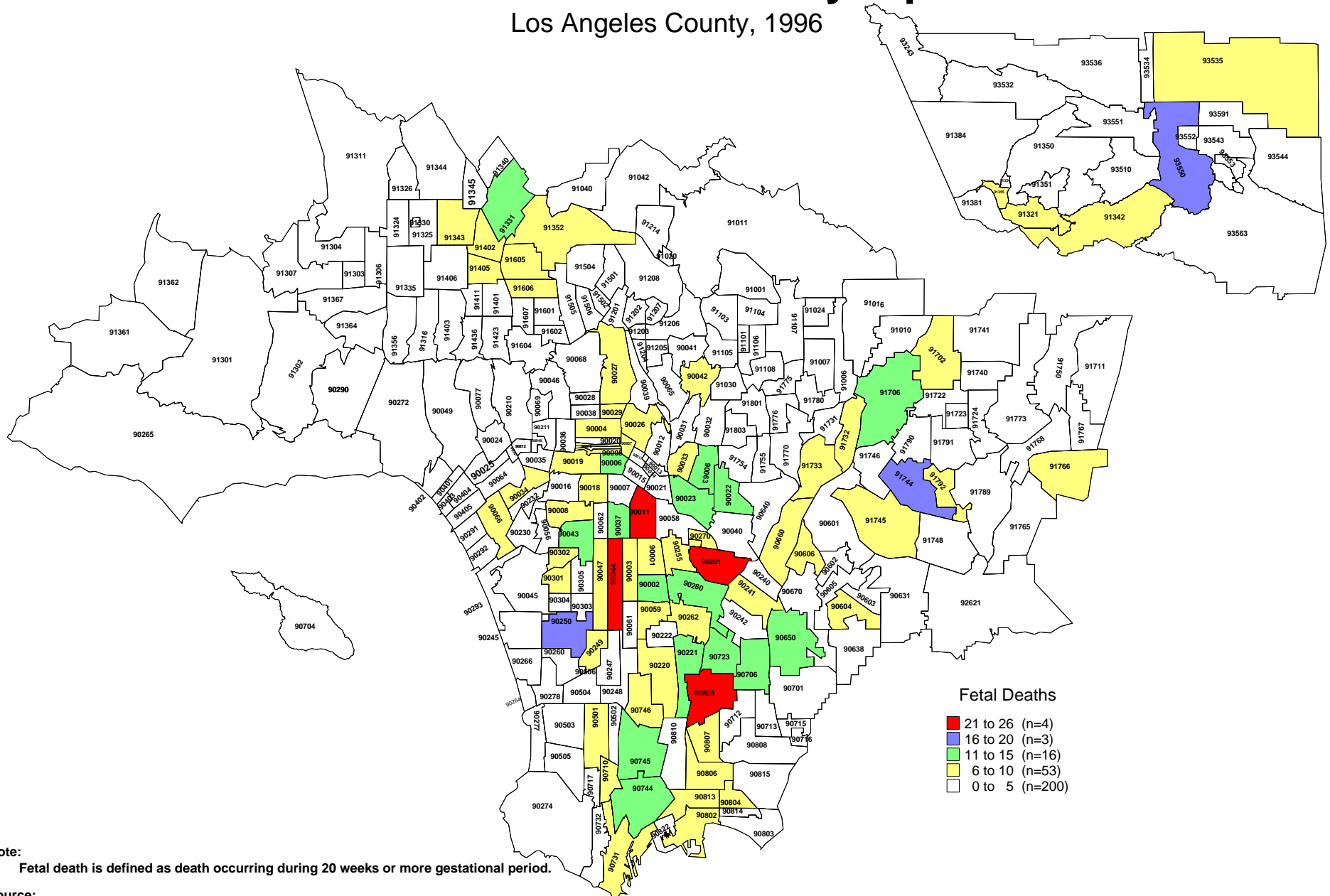
Note: Total fetal deaths in 1996 = 1,132

Fetal deaths are those occurring during 20 weeks or more gestational period.

Source: 1996 fetal death records from the California Department of Health Services, Health Data and Statistics Branch

# Number of Fetal Deaths by Zip Code

Los Angeles County, 1996



**Note:**

Fetal death is defined as death occurring during 20 weeks or more gestational period.

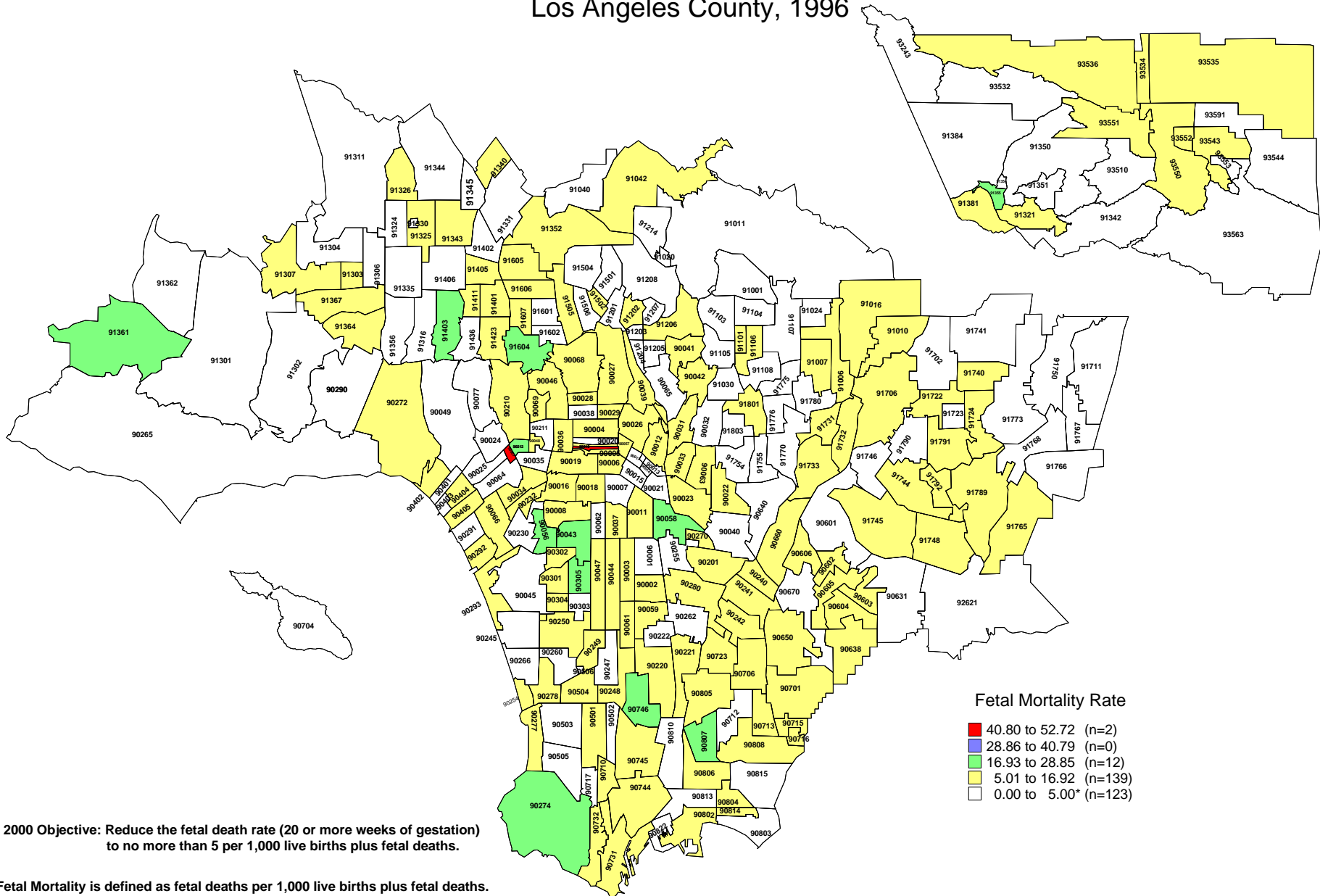
**Source:**

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

Los Angeles County - Department of Health Services

# Fetal Mortality Rate by Zip Code

Los Angeles County, 1996



\*Year 2000 Objective: Reduce the fetal death rate (20 or more weeks of gestation) to no more than 5 per 1,000 live births plus fetal deaths.

**Note:**

Fetal Mortality is defined as fetal deaths per 1,000 live births plus fetal deaths.

**Source:**

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch  
Map is not drawn to scale.

# **Teen Births**

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Teen births

**DEFINITION:** The number of live births per 1000 adolescent females by age at delivery (less than 15 years of age, 15 to 17 years of age, and 18 to 19 years of age)

**NUMERATOR:** The total number of live births among adolescent females, by age group (less than 15, 15 to 17, 18 to 19), by place of residence, in a calendar year

**DENOMINATOR:** The total number of adolescent females by age group (less than 15, 15 to 17, 18 to 19), by place of residence, in a calendar year

**YEAR 2000 OBJECTIVE:**

Reduce pregnancies among girls aged 17 and younger to no more than 50 per 1,000 adolescents. (Baseline: 71.1 pregnancies per 1,000 girls aged 15 through 17 in 1985) (Objective 5.1)\*

**RISK FACTORS:** Low income; low maternal education level; race/ethnicity (Black, Hispanic); lack of effective contraceptive use/family planning practices; lack of education/counseling regarding contraceptive use/family planning; previous teen pregnancy; initiation of sexual activity at a young age

### THE FOLLOWING THREE TABLES STRATIFY TEEN BIRTHS BY AGE GROUP

#### Births to adolescent females younger than 15 years of age

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Births to Teens <15	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	1,390	1.4	1.4	1.5	516	1.8	1.7	2.0
1991	1,469	1.5	1.4	1.5	513	1.8	1.6	1.9
1992	1,595	1.5	1.5	1.6	554	1.9	1.7	2.0
1993	1,572	1.5	1.4	1.5	550	1.8	1.7	2.0
1994	1,687	1.5	1.4	1.6	544	1.8	1.6	1.9
1995	1,640	1.4	1.4	1.5	550	1.8	1.6	1.9
1996	1,485	1.3	1.3	1.4	477	1.5	1.4	1.7

Females < 15 (i.e. 10 - 14)	
DENOMINATOR:	
State	County
965,382	285,643
1,008,931	292,429
1,039,336	296,781
1,076,500	301,160
1,108,865	306,055
1,135,017	308,833
1,114,798	313,049

**Source:** 1990-1996 birth records from the California Department of Health Services, Health Data and Statistics Branch  
Denominator Data -- State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** \*Data pertaining to this indicator addresses live births as opposed to pregnancies.

# **TITLE V INDICATOR TEMPLATES**

**INDICATOR:** Teen births (continued)

**Births to adolescent females 15 to 17 years of age**

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Births to Teens 15 to 17	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	24,828	44.2	43.7	44.7	8,814	50.6	49.5	51.6
1991	25,914	46.3	45.8	46.9	9,078	53.4	52.3	54.4
1992	25,967	45.3	44.8	45.8	8,808	51.6	50.6	52.7
1993	26,301	45.0	44.5	45.6	8,629	51.4	50.3	52.4
1994	26,378	43.9	43.4	44.5	8,576	51.3	50.2	52.3
1995	25,821	41.2	40.7	41.7	8,369	49.4	48.4	50.4
1996	24,047	38.3	37.8	38.8	7,741	44.4	43.4	45.4

DENOMINATOR: Females 15-17		NUMERATOR: Births to 15-17 year olds					
State	County	State Births, 15 year olds	State Births, 16 year olds	State Births, 17 year olds	County Births, 15 year olds	County Births, 16 year olds	County Births, 17 year olds
561,732	174,335	3,807	7,898	13,123	1,341	2,808	4,665
559,364	170,138	3,952	8,545	13,417	1,380	3,030	4,668
573,239	170,568	4,070	8,547	13,350	1,339	2,918	4,551
584,199	167,905	4,279	8,641	13,381	1,383	2,827	4,419
600,321	167,270	4,335	8,701	13,342	1,419	2,771	4,386
626,598	169,393	4,182	8,560	13,079	1,386	2,775	4,208
627,740	174,348	3,886	8,093	12,068	1,251	2,655	3,835

**Births to adolescent females 18 to 19 years of age**

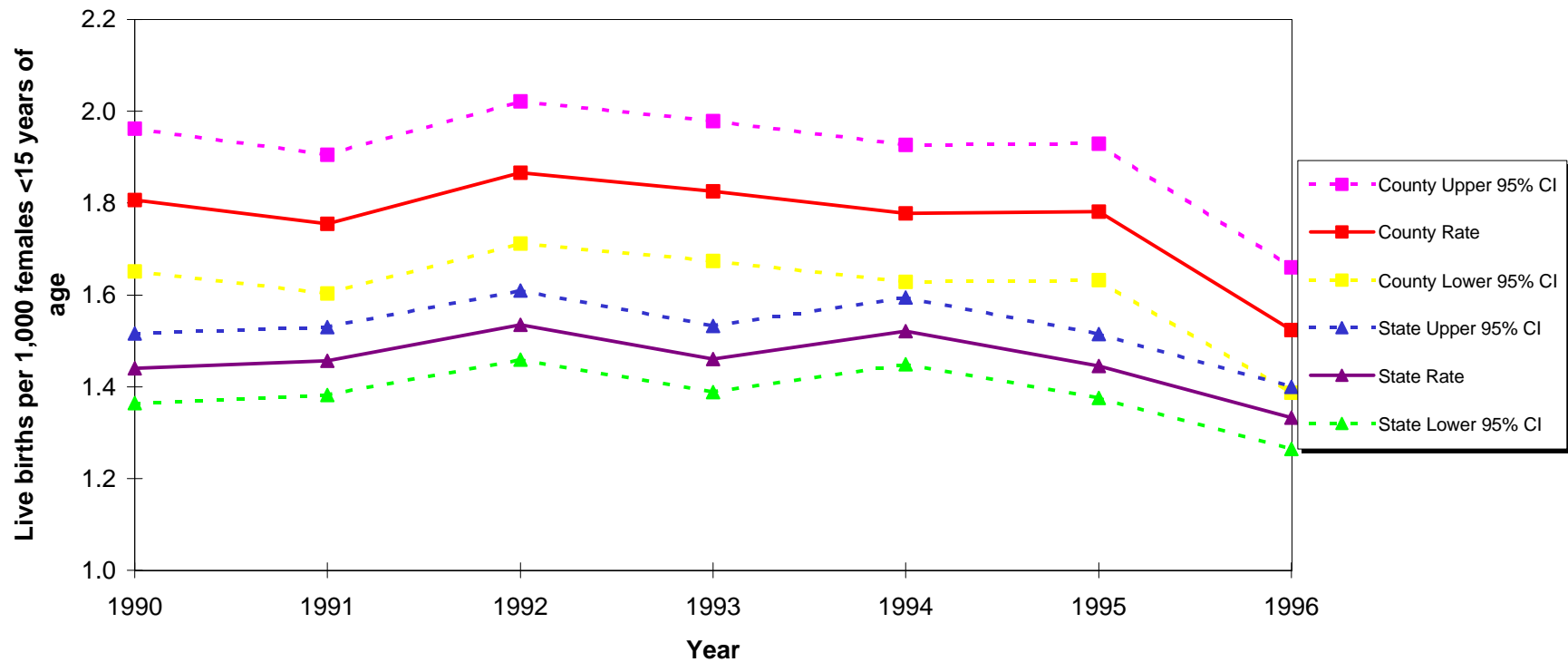
	California				County			
			95% Confidence Interval				95% Confidence Interval	
Births to Teens 18 to 19	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	44,732	103.3	102.4	104.2	15,131	111.6	109.9	113.3
1991	44,408	108.7	107.8	109.7	15,243	122.6	120.8	124.4
1992	43,305	108.1	107.1	109.0	14,608	122.6	120.7	124.4
1993	42,218	106.7	105.7	107.7	13,999	123.4	121.5	125.3
1994	41,820	104.0	103.1	105.0	13,515	120.4	118.5	122.3
1995	40,823	99.8	98.9	100.7	13,243	120.1	118.2	122.0
1996	39,071	98.6	97.7	99.5	12,217	111.6	109.8	113.5

DENOMINATOR: Females 18-19		NUMERATOR: Births to 18 - 19 year olds			
State	County	State Births, 18 year olds	State Births, 19 year olds	County Births, 18 year olds	County Births, 19 year olds
432,985	135,572	18,981	25,751	6,538	8,593
408,451	124,307	19,423	24,985	6,765	8,478
400,778	119,170	18,779	24,526	6,440	8,168
395,653	113,474	18,638	23,580	6,173	7,826
402,017	112,212	18,548	23,272	6,046	7,469
409,045	110,278	18,017	22,806	5,810	7,433
396,205	109,454	17,048	22,023	5,274	6,943

**Source:** 1990-1996 birth records from the California Department of Health Services, Health Data and Statistics Branch  
Denominator Data -- State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** \*Data pertaining to this indicator addresses live births as opposed to pregnancies.

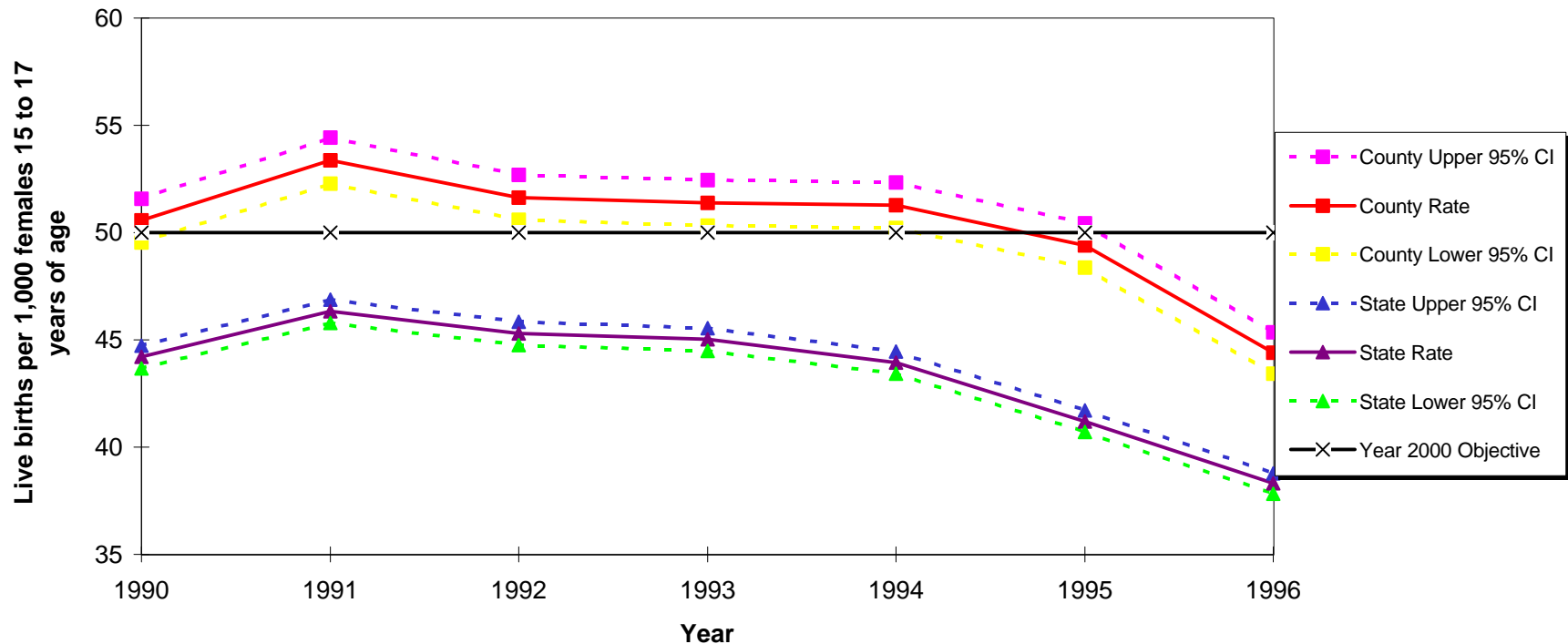
# Live Births per 1,000 Adolescent Females Less Than 15 Years of Age California vs. Los Angeles County, 1990 - 1996



**Source:** 1990-1996 birth records from the California Department of Health Services, Health Data and Statistics Branch  
 Denominator Data -- State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998



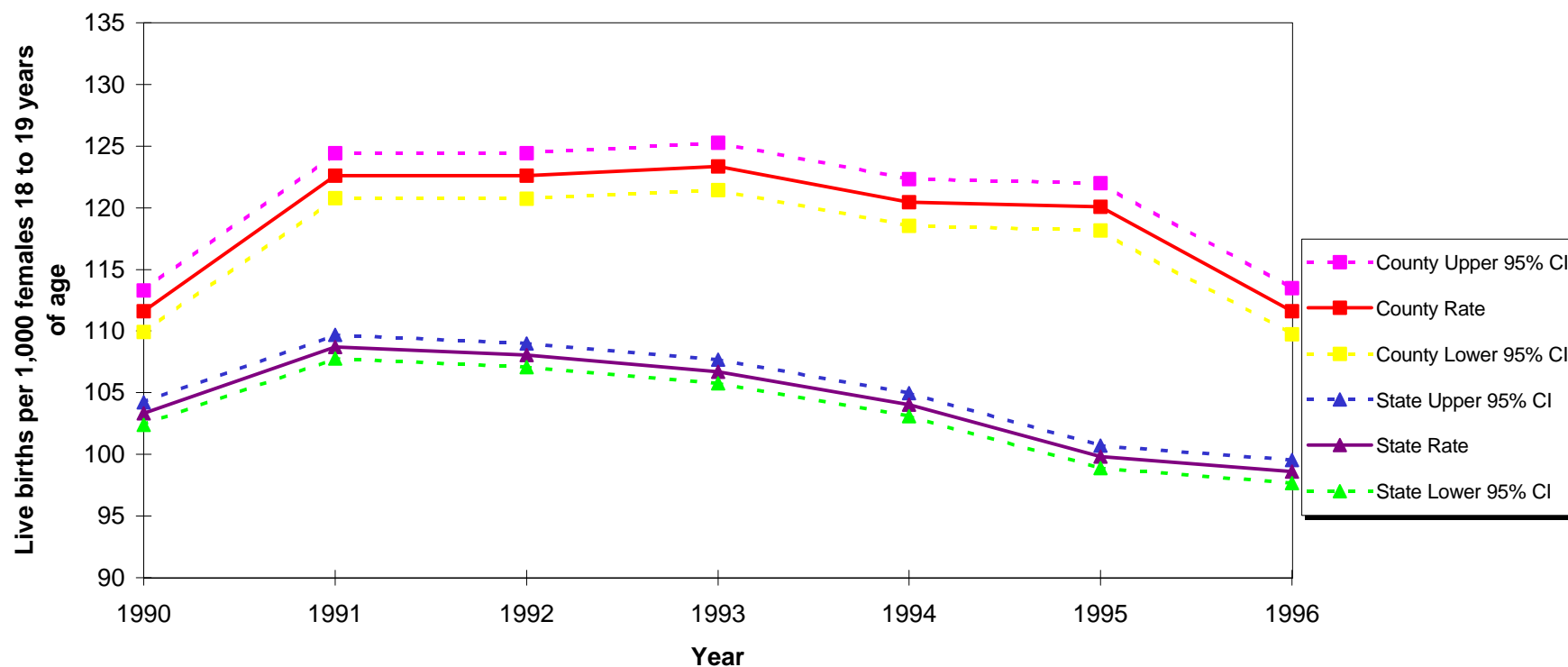
## Live Births per 1,000 Adolescent Females 15 to 17 Years of Age California vs. Los Angeles County, 1990 - 1996



**Year 2000 Objective:** Reduce pregnancies among girls aged 17 and younger to no more than 50 per 1,000 adolescents.

**Source:** 1990-1996 birth records from the California Department of Health Services, Health Data and Statistics Branch  
 Denominator Data -- State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998

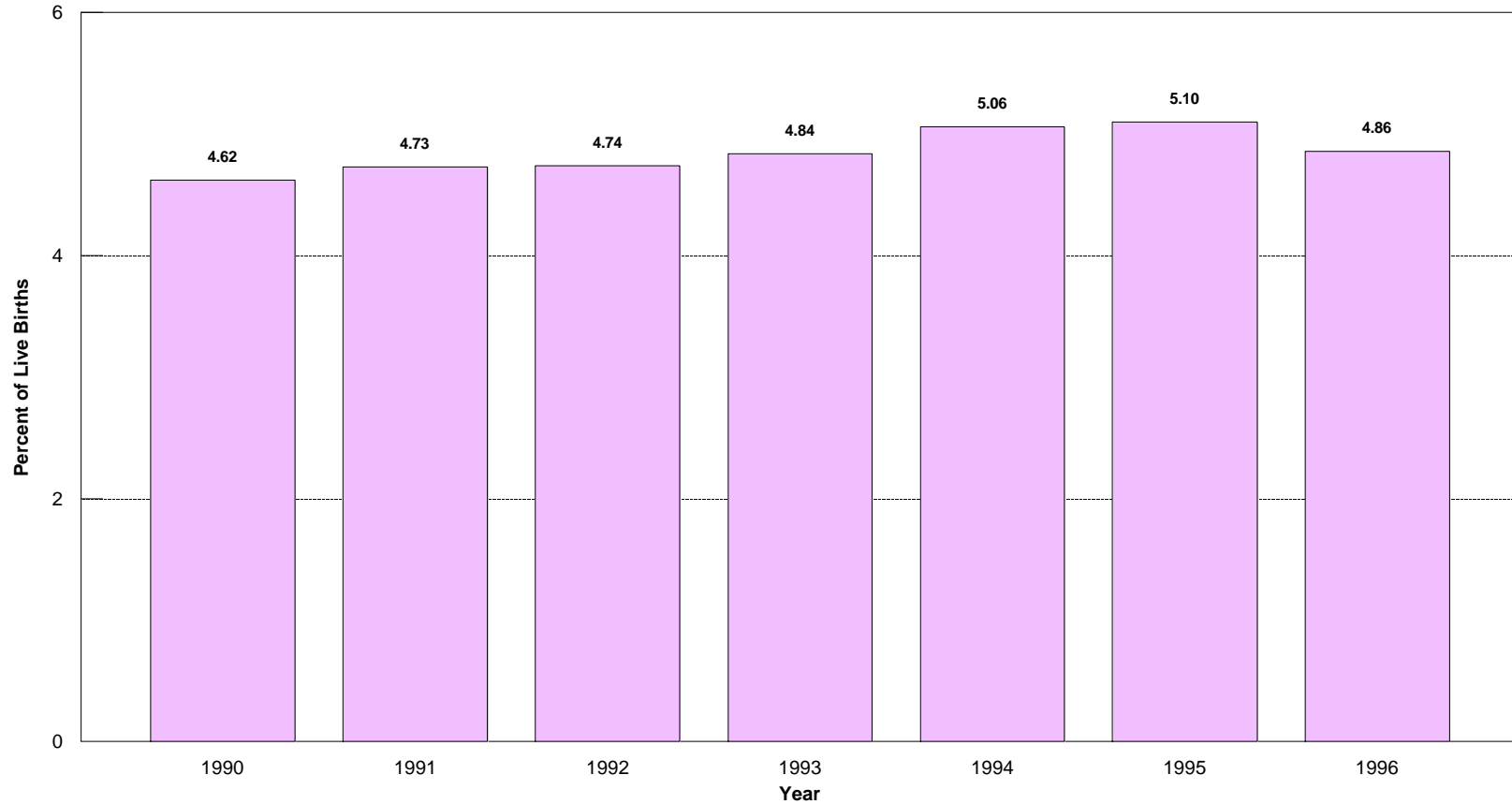
# **Live Births per 1,000 Adolescent Females 18 to 19 Years of Age California vs. Los Angeles County, 1990 - 1996**



**Source:** 1990-1996 birth records from the California Department of Health Services, Health Data and Statistics Branch  
 Denominator Data -- State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998

## Percent of Live Births to Mothers Less Than 18 Years Old

Los Angeles County, 1990 - 1996

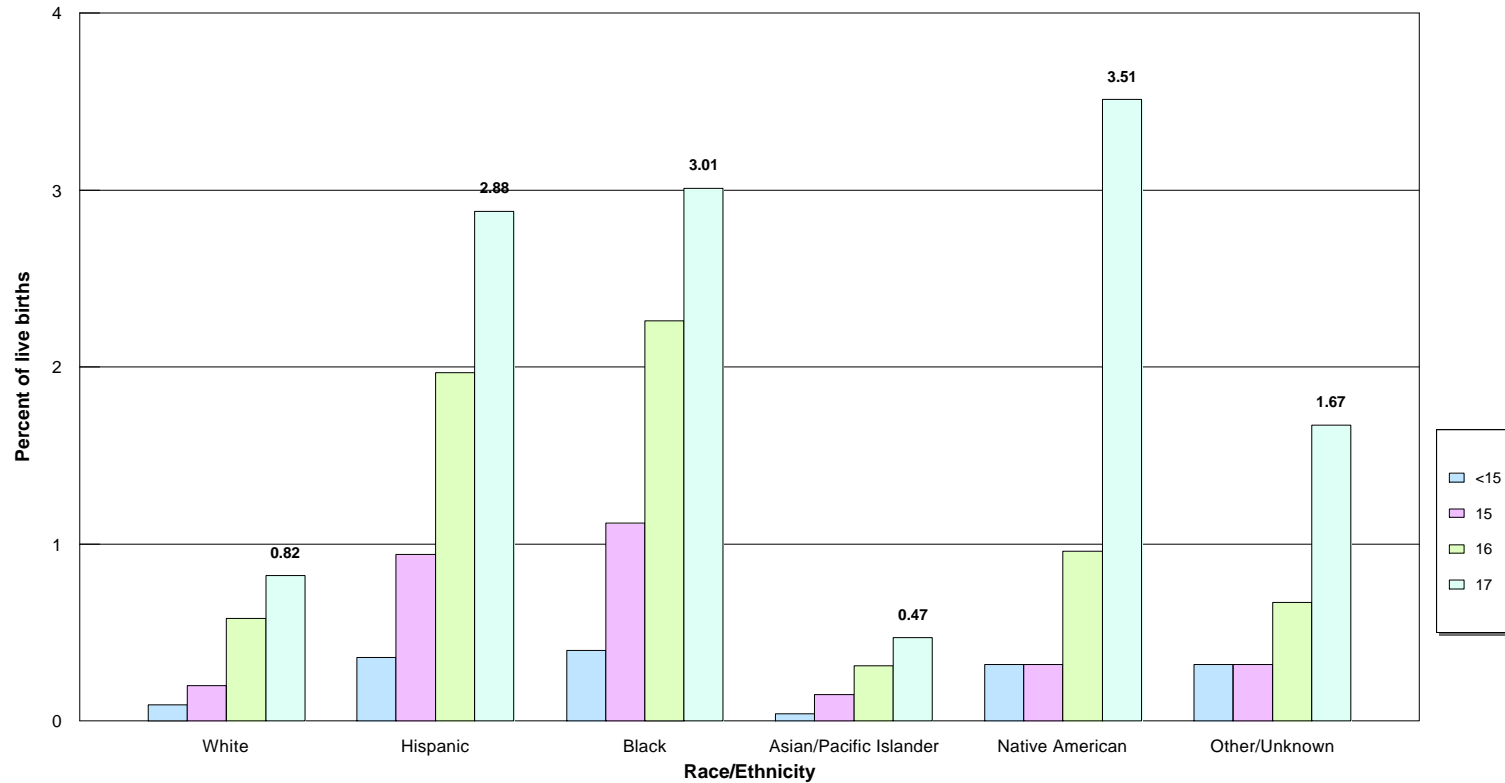


	Year													
	1990		1991		1992		1993		1994		1995		1996	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 18	9,330	4.62	9,591	4.73	9,362	4.74	9,179	4.84	9,120	5.06	8,919	5.10	8,218	4.86
Total	202,124	100.00	202,737	100.00	197,415	100.00	189,706	100.00	180,394	100.00	174,862	100.00	168,973	100.00

Source: 1990-1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Less Than 18 Years Old by Mother's Race/Ethnicity\*

Los Angeles County, 1996



Live Births	Race/Ethnicity											
	White		Hispanic		Black		Asian**/Pacific Islander		Native American		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<15	30	0.09	378	0.36	61	0.40	6	0.04	1	0.32	1	0.33
15	64	0.20	991	0.94	170	1.12	24	0.15	1	0.32	1	0.33
16	186	0.58	2072	1.97	343	2.26	49	0.31	3	0.96	2	0.67
17	263	0.82	3024	2.88	457	3.01	75	0.47	11	3.51	5	1.67
Total	32,151	100.00	105,175	100.00	15,184	100.00	15,850	100.00	313	100.00	300	100.00

\* White, Black, Asian, Pacific Islander, Native American and other races exclude Hispanic ethnicity

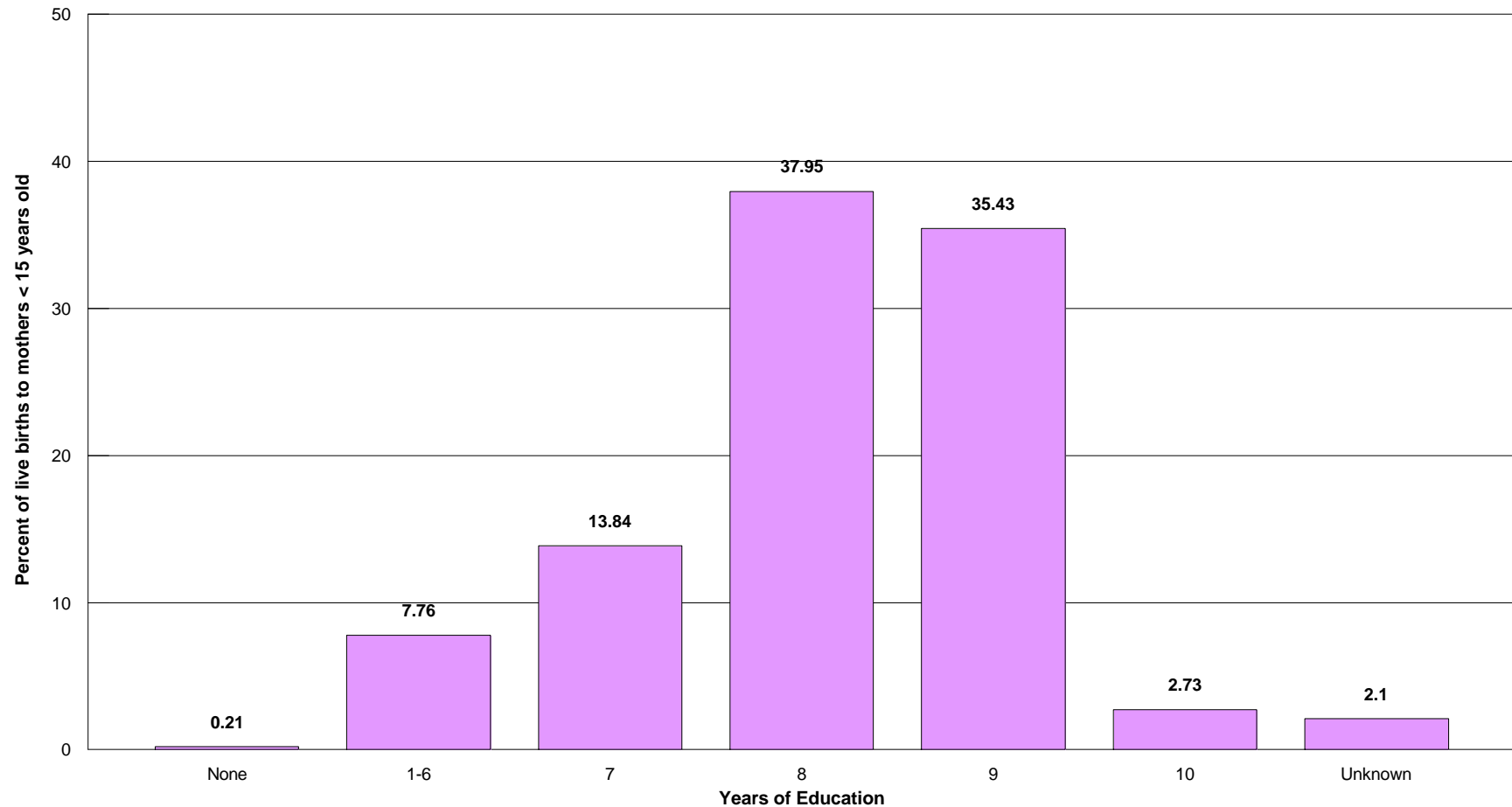
Hispanic includes any race category

\*\* Filipino is included in Asian

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers less than 15 Years Old by Years of Education

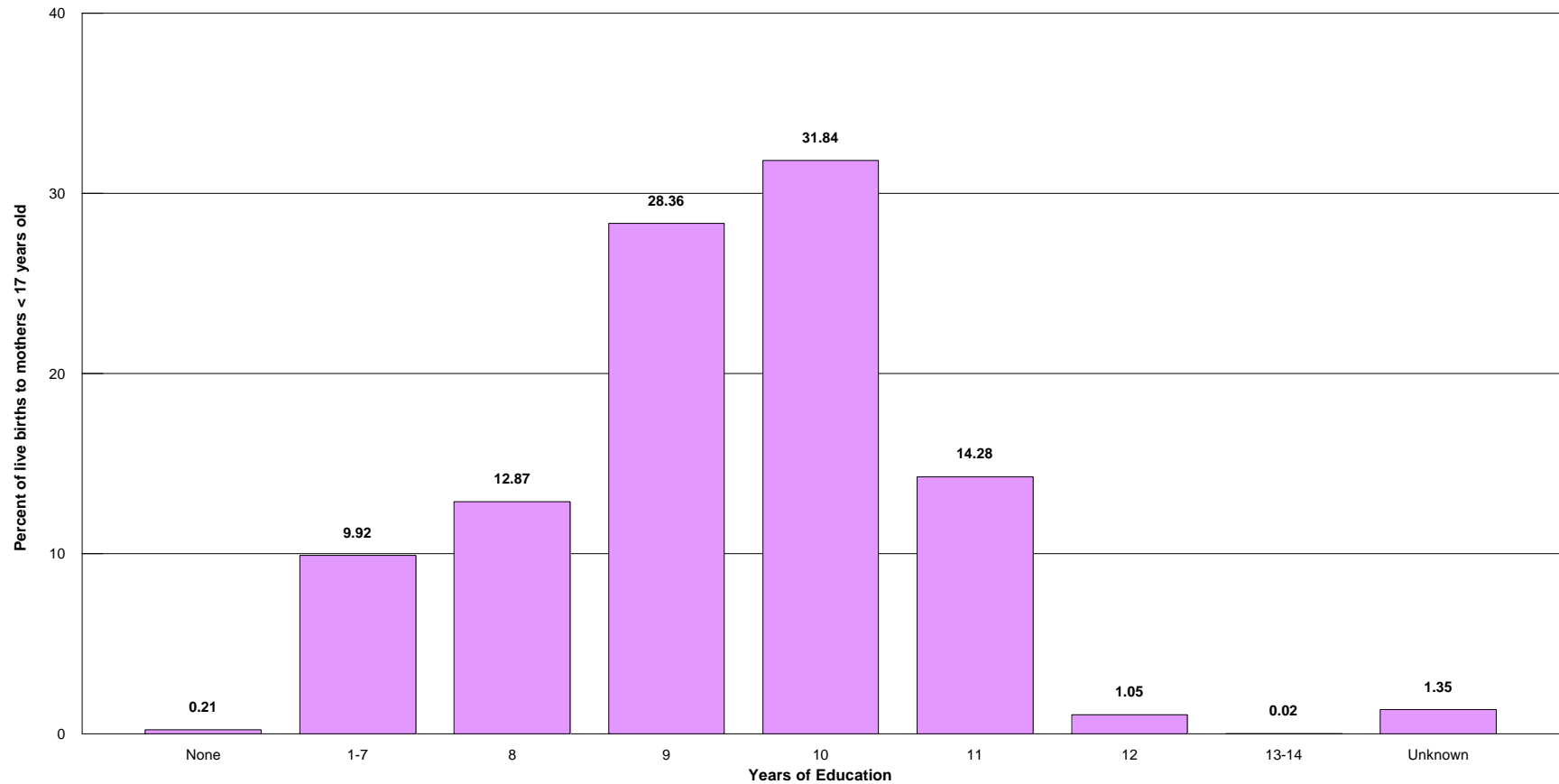
Los Angeles County, 1996



Years of Education													
None		1-6		7		8		9		10		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1	0.21	37	7.76	66	13.84	181	37.95	169	35.43	13	2.73	10	2.10

## Percent of Live Births to Mothers less than 17 Years Old by Years of Education

Los Angeles County, 1996

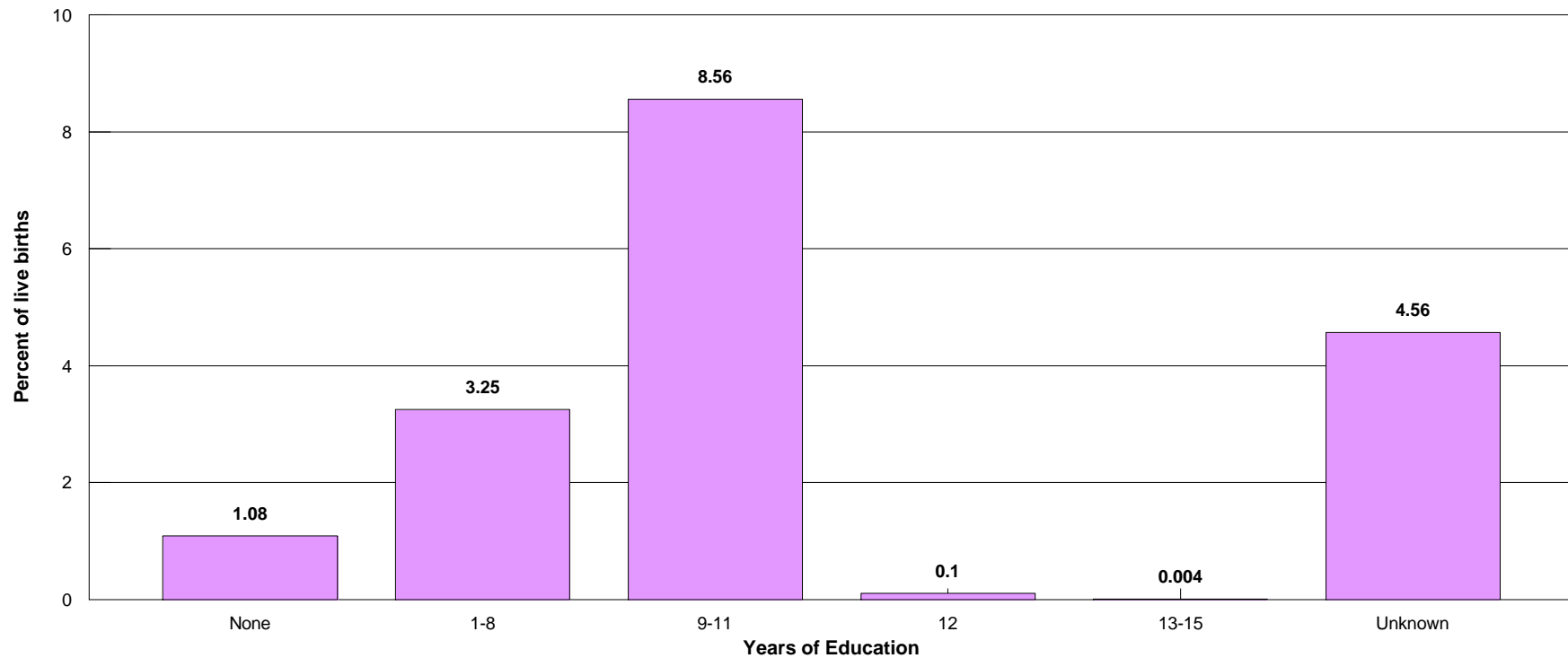


Years of Education																	
None		1-7		8		9		10		11		12		13-14		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
9	0.21	435	9.92	564	12.87	1243	28.36	1400	31.84	626	14.28	46	1.05	1	0.02	59	1.35

Note: Total live births to mothers less than 17 years old in Los Angeles County, 1996 = 4,383  
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Live Births to Mothers Less Than 17 Years Old As A Percent of Total Live Births by Years of Education

Los Angeles County, 1996

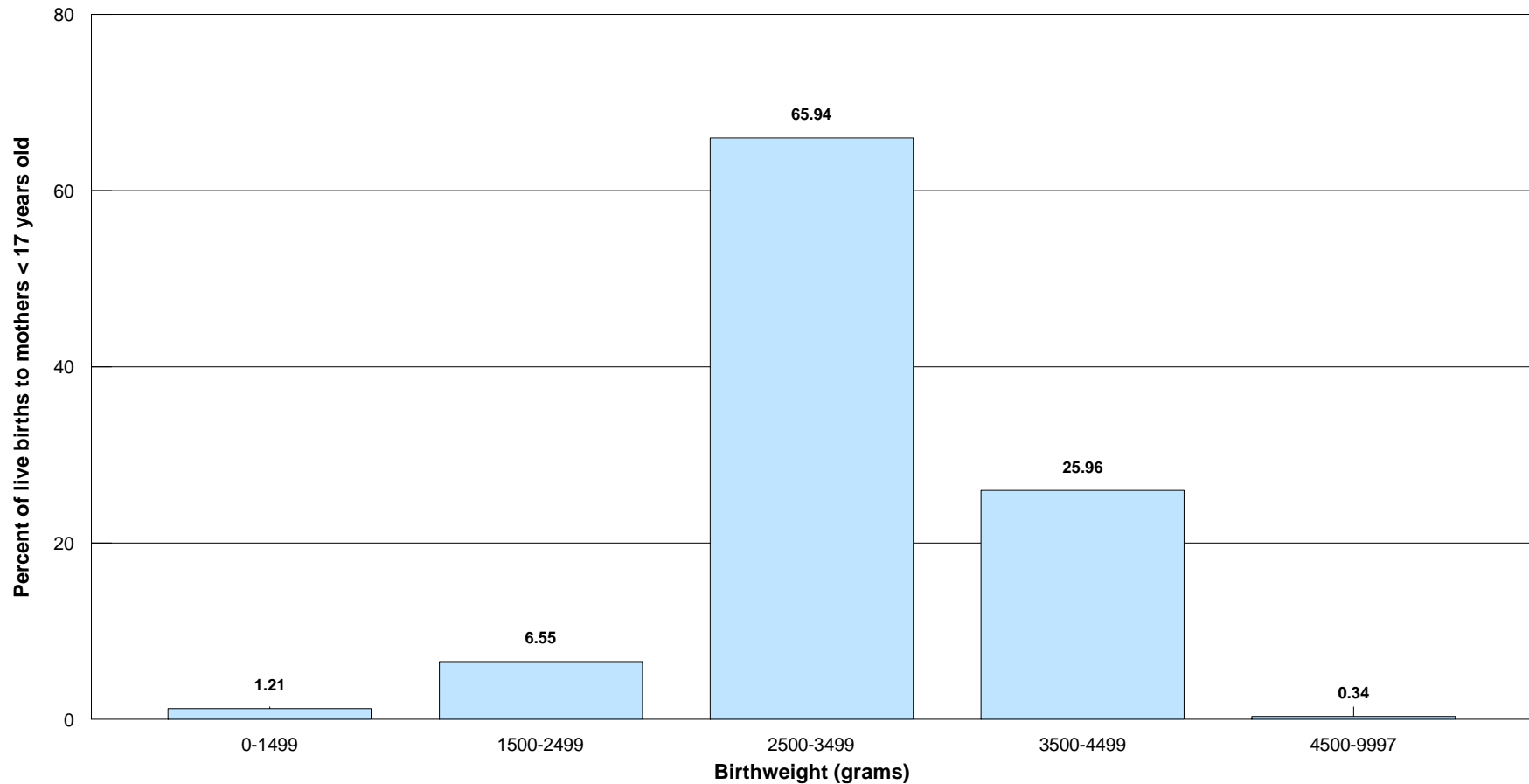


Live Births	Years of Education											
	None		1-8		9-11		12		13-15		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 17	9	1.08	999	3.25	3,269	8.56	46	0.10	1	0.004	59	4.56
Total	834	100.00	30,738	100.00	38,180	100.00	45,722	100.00	27,497	100.00	1,293	100.00

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Less Than 17 Years Old by Birthweight

Los Angeles County, 1996



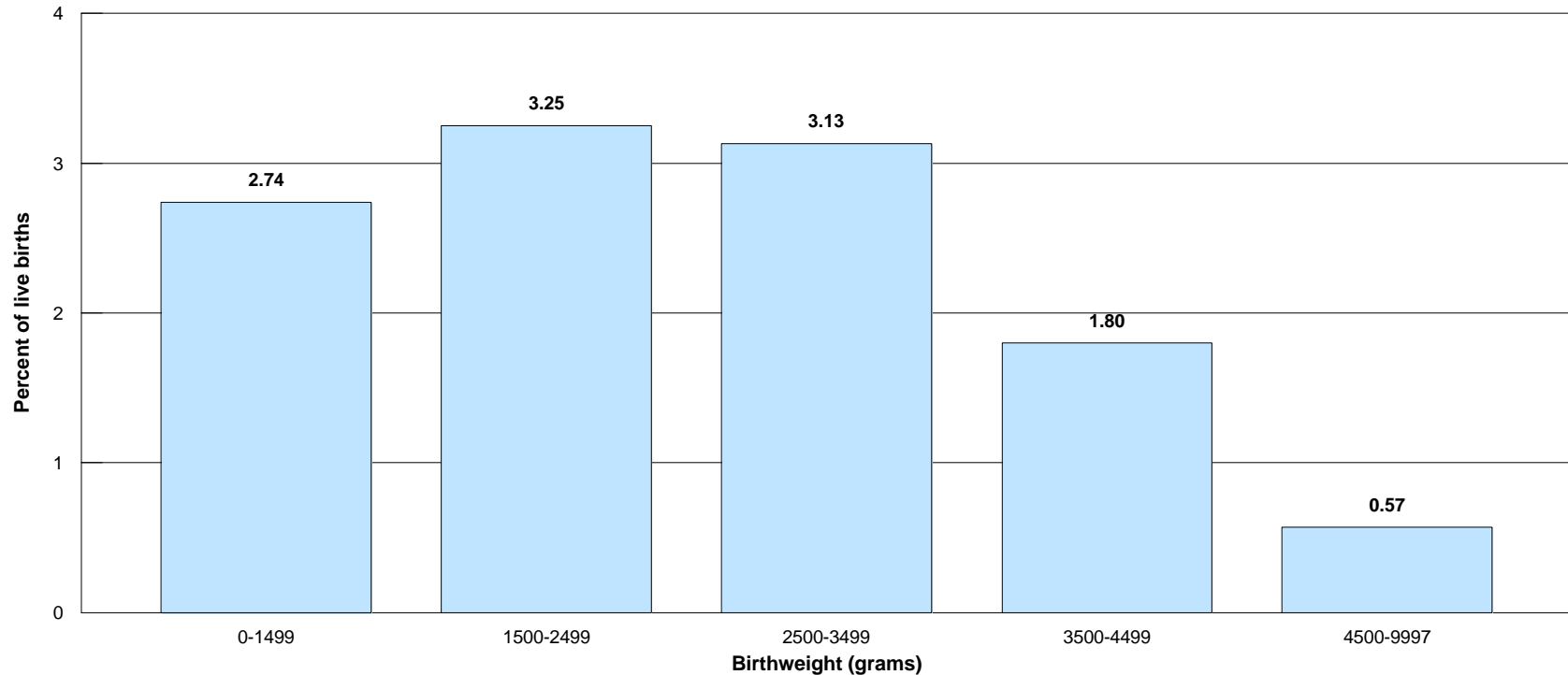
Birthweight (grams)									
0-1,499		1,500-2,499		2,500-3,499		3,500-4,499		4,500-9,997	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
53	1.21	287	6.55	2,890	65.94	1,138	25.96	15	0.34

Note: Total live births to mothers less than 17 years old in Los Angeles County, 1996 = 4,383  
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



## Live Births to Mothers Less Than 17 Years Old As A Percent of Total Live Births by Birthweight

Los Angeles County, 1996

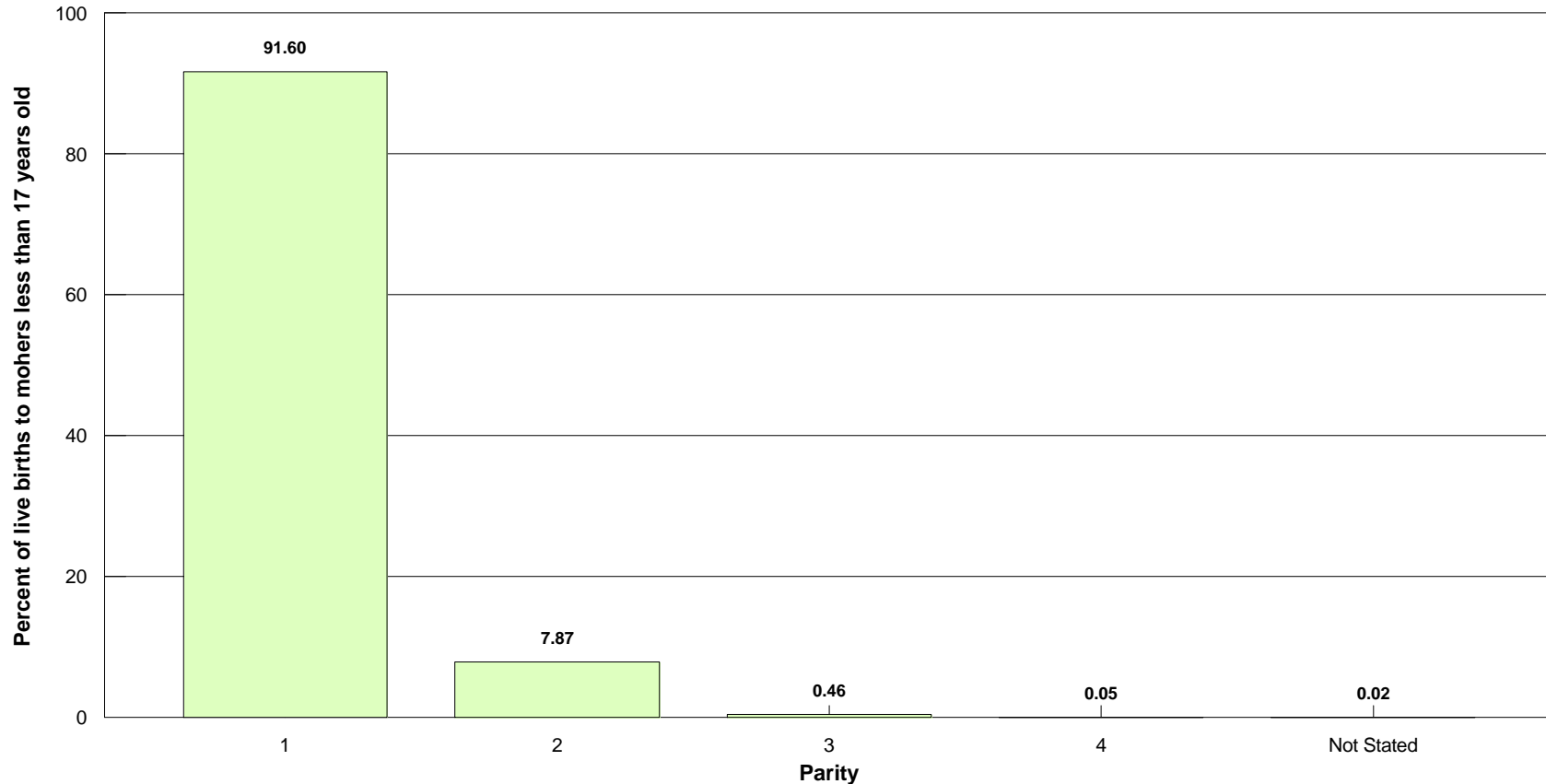


	Birthweight (grams)									
	0-1,499		1,500-2,499		2,500-3,499		3,500-4,499		4,500-9,997	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 17	53	2.74	287	3.25	2,890	3.13	1,138	1.80	15	0.57
Total	1,933	100.00	8,828	100.00	92,300	100.00	63,255	100.00	2,641	100.00

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Less Than 17 Years Old by Parity

Los Angeles County, 1996



Parity									
1		2		3		4		Not Stated	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
4,015	91.60	345	7.87	20	0.46	2	0.05	1	0.02

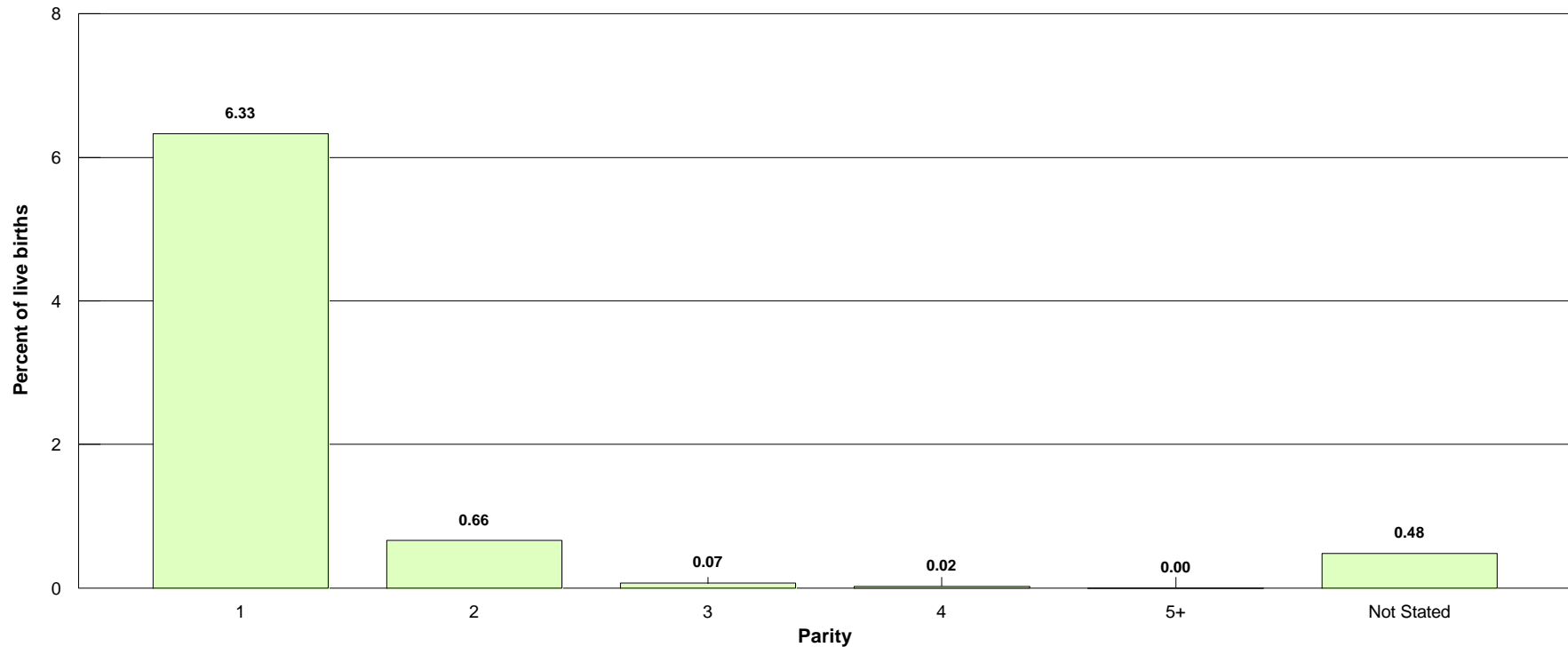
Note: Total live births to mothers less than 17 years old in Los Angeles County, 1996 = 4,383

Parity = number of pregnancies resulting in live births

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Live Births to Mothers Less Than 17 Years Old As A Percent of Total Live Births by Parity

Los Angeles County, 1996

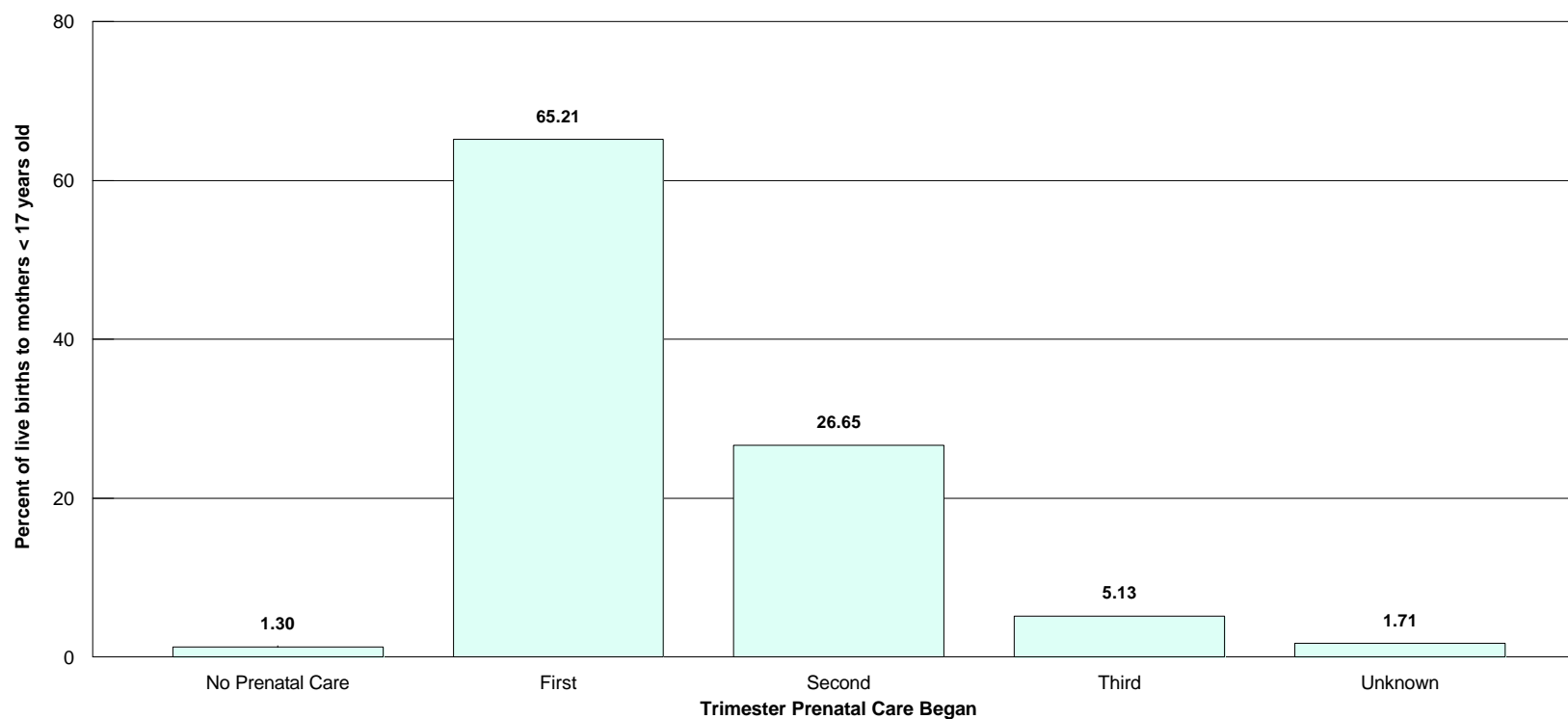


	Parity											
	1		2		3		4		5+		Not Stated	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 17	4,015	6.33	345	0.66	20	0.07	2	0.02	0	0.00	1	0.48
Total	63,417	100.00	52,669	100.00	29,339	100.00	13,210	100.00	10,130	100.00	208	100.00

Note: Parity = number of pregnancies resulting in live births  
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Less Than 17 Years Old by Trimester Prenatal Care Began

Los Angeles County, 1996



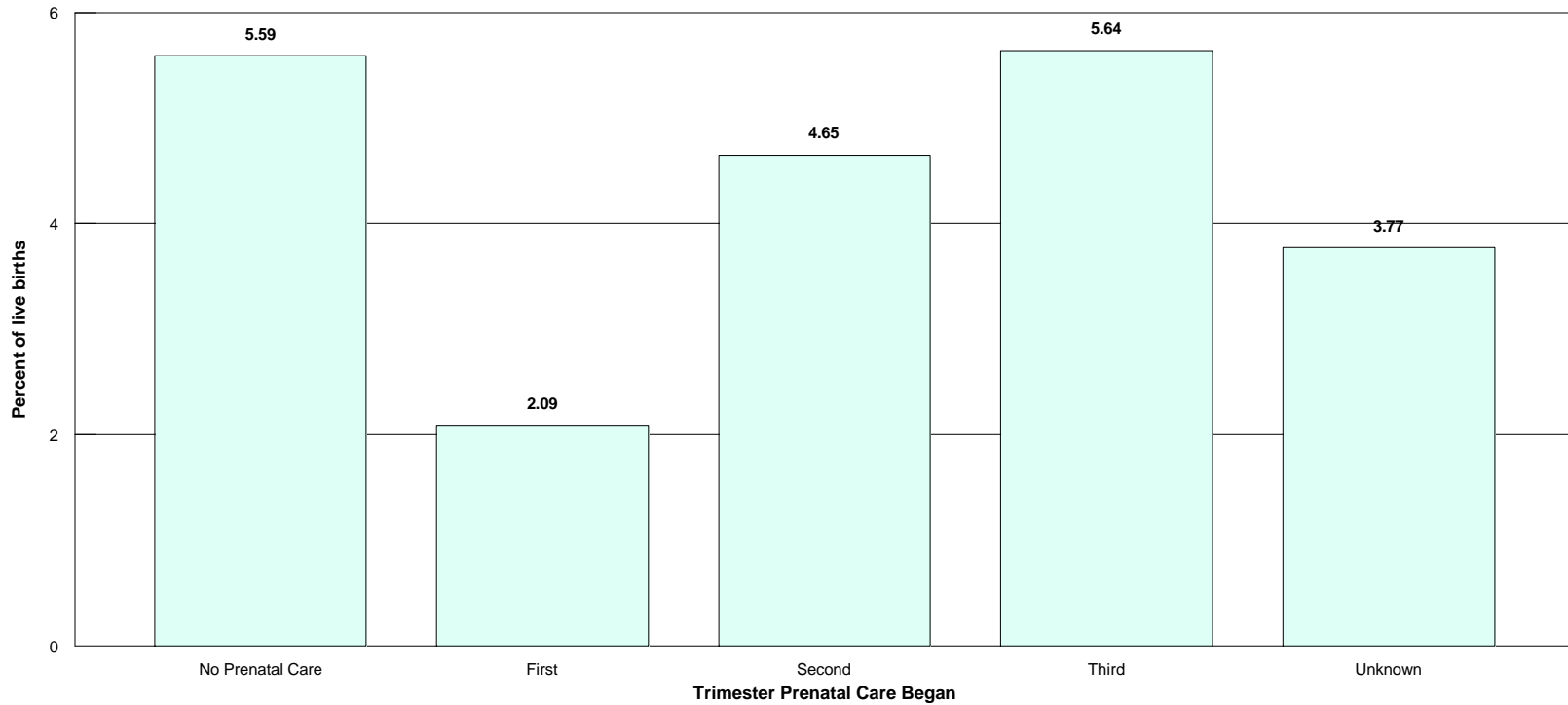
Trimester PNC Began									
No Prenatal Care		First		Second		Third		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
57	1.30	2,858	65.21	1168	26.65	225	5.13	75	1.71

Note: Total live births to mothers less than 17 years old in Los Angeles County, 1996 = 4,383  
PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# **Live Births to Mothers Less Than 17 Years Old As A Percent of Total Live Births by Trimester Prenatal Care Began**

Los Angeles County, 1996



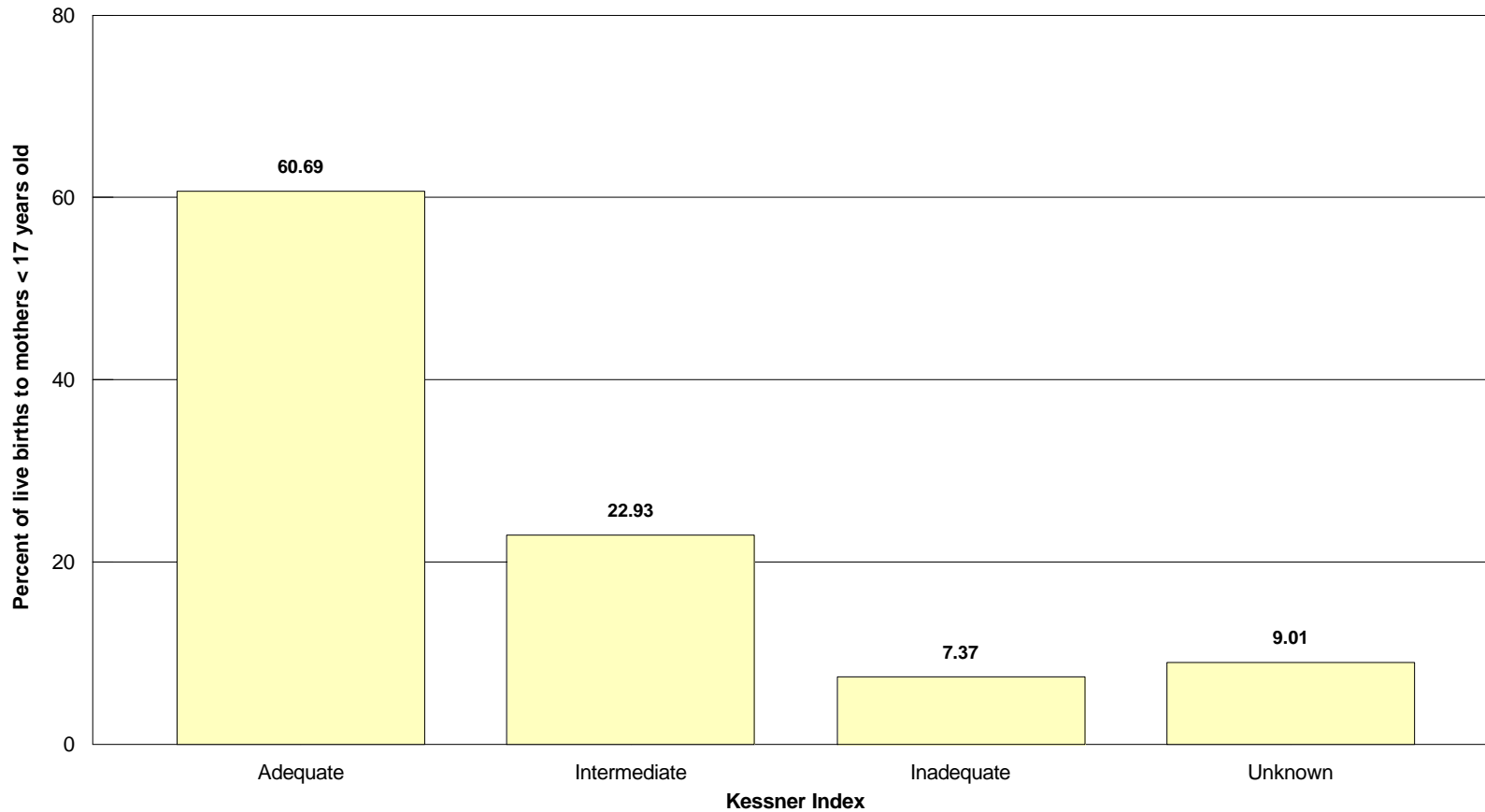
	Trimester PNC Began									
	No Prenatal Care		First		Second		Third		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 17	57	5.59	2858	2.09	1168	4.65	225	5.64	75	3.77
Total	1019	100.00	136863	100.00	25116	100.00	3986	100.00	1989	100.00

Note: PNC = 'Prenatal Care'

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Less Than 17 Years by Kessner Index

Los Angeles County, 1996



Kessner Index							
Adequate		Intermediate		Inadequate		Unknown	
Number	Percent	Number	Percent	Number	Percent	Number	Percent
2,660	60.69	1,005	22.93	323	7.37	395	9.01

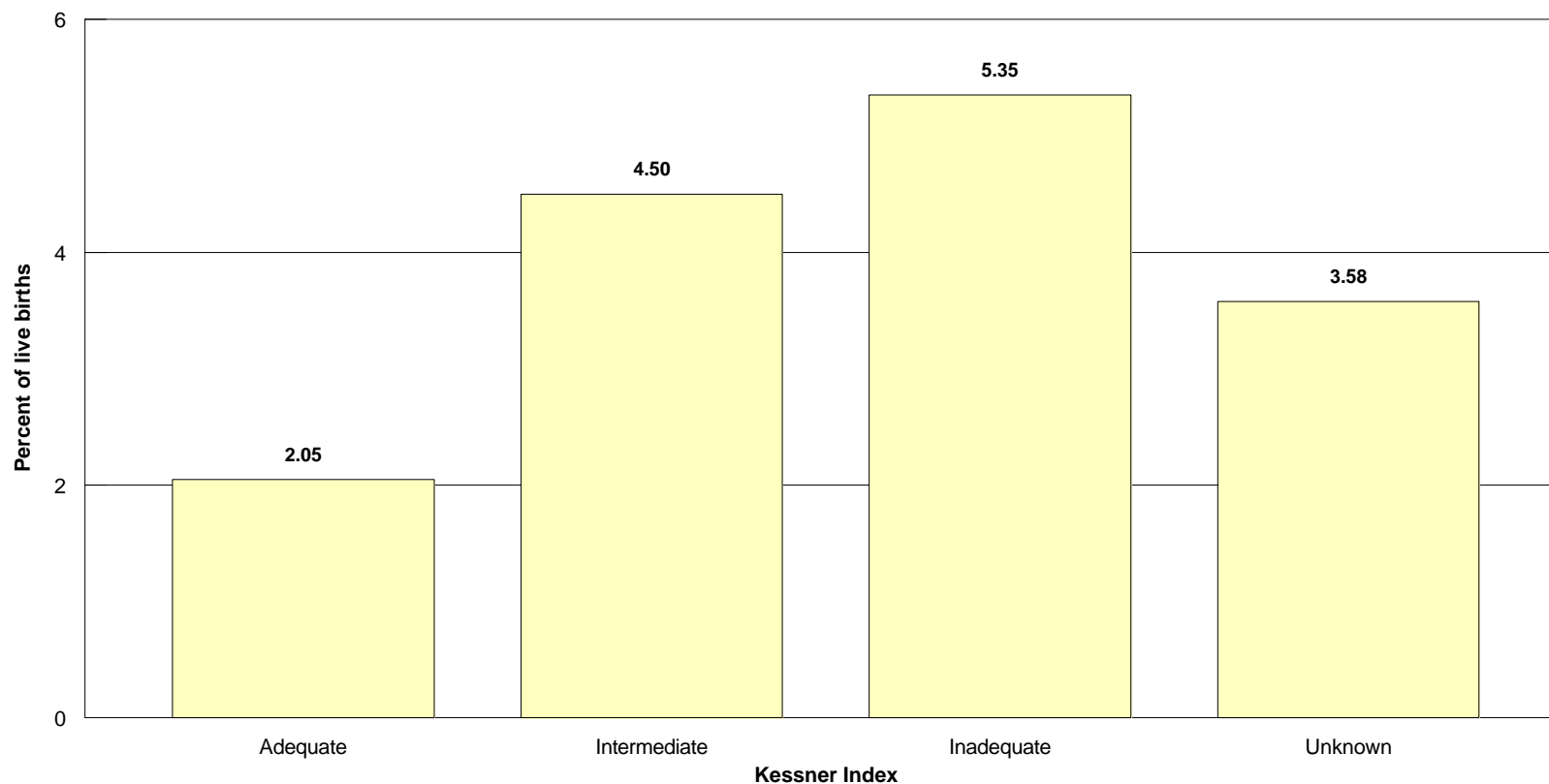
Note: Total live births to mothers less than 17 years old in Los Angeles County, 1996 = 4,383

The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth record from the California Department of Health Services, Health Data and Statistics Branch

## Live Births to Mothers Less Than 17 Years Old As A Percent of Total Live Births by Kessner Index

Los Angeles County, 1996



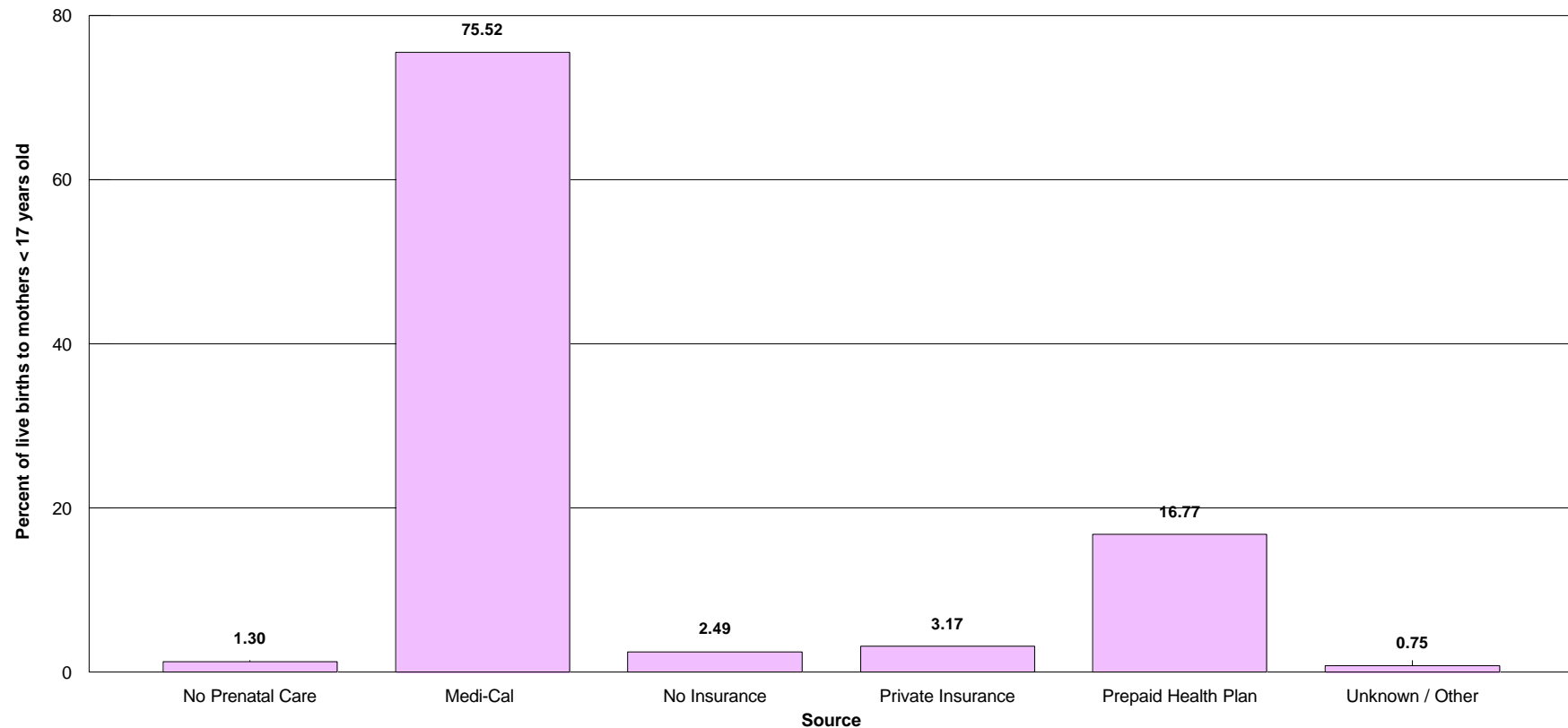
	Kessner Index							
	Adequate		Intermediate		Inadequate		Unknown	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 17	2,660	2.05	1,005	4.50	323	5.35	395	3.58
Total	129,590	100.00	22,314	100.00	6,033	100.00	11,036	100.00

Note: The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal visits, and length of gestation. This measure excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

## Percent of Live Births to Mothers Less Than 17 Years by Payment Source for Prenatal Care

Los Angeles County, 1996



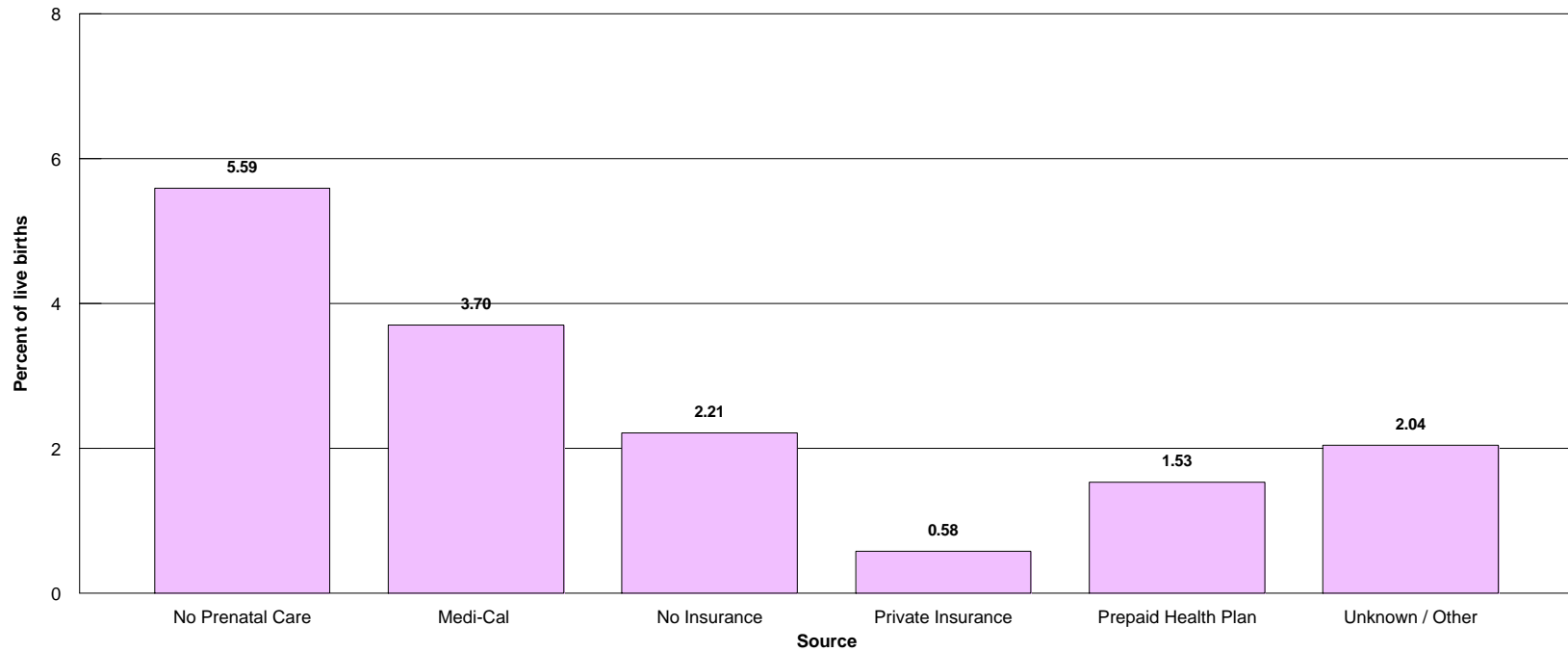
Source of Payment											
No Prenatal Care		Medi-Cal		No Insurance		Private Insurance		Prepaid Health Plan		Unknown/Other	
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
57	1.30	3,310	75.52	109	2.49	139	3.17	735	16.77	33	0.75

Note: Total live births to mothers less than 17 years old in Los Angeles County, 1996 = 4,383  
Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch



## Live Births to Mothers Less Than 17 Years Old As A Percent of Total Live Births by Payment Source for Prenatal Care

Los Angeles County, 1996

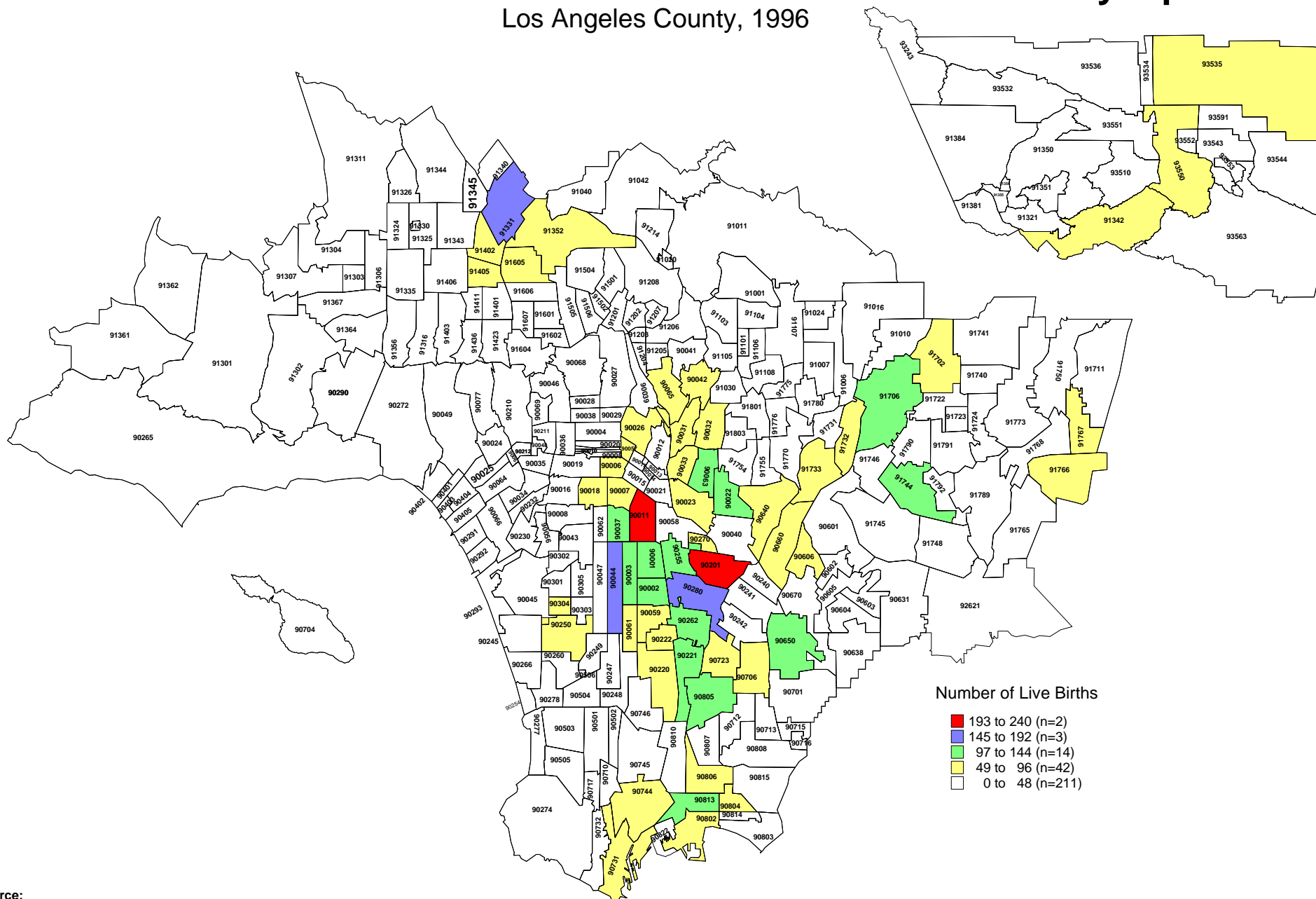


	Source of Payment											
	No Prenatal Care		Medi-Cal		No Insurance		Private Insurance		Prepaid Health Plan		Unknown/Other	
Live Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 17	57	5.59	3,310	3.70	109	2.21	139	0.58	735	1.53	33	2.04
Total	1,019	100.00	89,425	100.00	4,943	100.00	24,068	100.00	47,906	100.00	1,615	100.00

Source: 1996 birth records from the California Department of Health Services, Health Data and Statistics Branch

# Number of Live Births to Mothers Less Than 18 Years Old by Zip Code

Los Angeles County, 1996



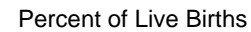
Source:

Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning

Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

Map is not drawn to scale.

## Los Angeles County - Department of Health Services



Los Angeles County Department of Health Services, Family Health Programs, MCAH Assessment and Planning  
Based on 1996 birth records from California Department of Health Services, Health Data and Statistics Branch

**Map is not drawn to scale.**

# **Maternal HIV Infection**

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Maternal HIV infection (per 10,000 live births)

**DEFINITION:** The number of women with HIV infection per 10,000 live births\*

**NUMERATOR:** The number of HIV-positive women who delivered live-born infants (as measured through the CDC SCW, adjusted for survey period,\*\*) by state of occurrence, in a calendar year

**DENOMINATOR:** The total number of blood specimens tested through the CDC SCW, by state of occurrence, in a calendar year

**YEAR 2000 OBJECTIVE:**

Confine the prevalence of HIV infection among women giving birth to live-born infants to no more than 100 per 100,000.

(Baseline:150 per 100,000 in 1989) (Objective 18.2c)

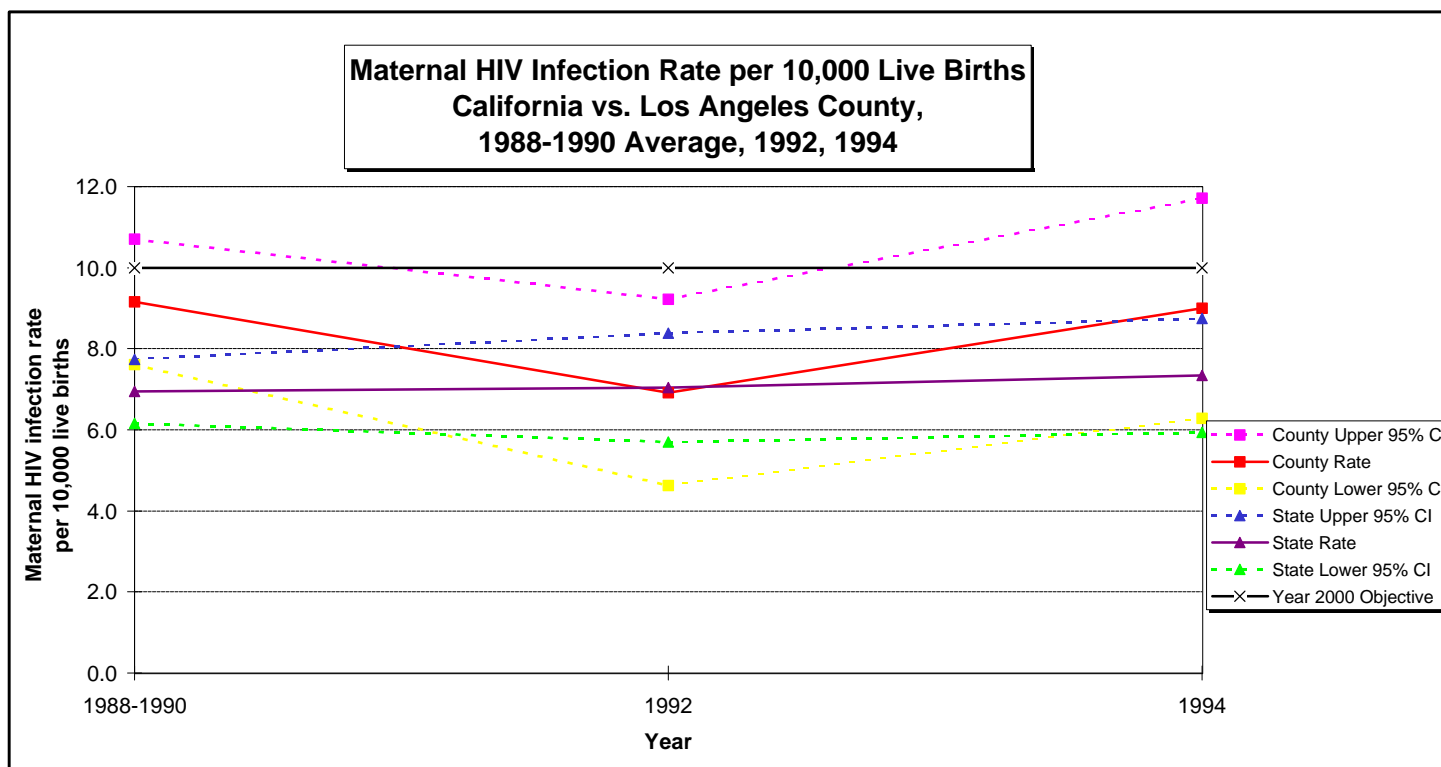
**RISK FACTORS:** Young maternal age/teenage pregnancy; low income; race/ethnicity; substance use/abuse (IDU); addiction to crack cocaine; trading sex for drugs/money; transfusion; high risk/unsafe sexual practices (e.g., anal intercourse; multiple sexual partners; high risk sexual partners including injection drug users, HIV-infected, or homosexual contacts)

	California				
Maternal HIV Infection	Number tested	Number HIV+	Rate (per 10,000)	Lower 95% CI	Upper 95% CI
1988-1990	430,586	299	6.9	6.2	7.7
1992	150,494	106	7.0	5.7	8.4
1994	143,095	105	7.3	5.9	8.7

	County				
Maternal HIV Infection	Number tested	Number HIV+	Rate (per 10,000)	Lower 95% CI	Upper 95% CI
1988-1990	147,411	135	9.2	7.6	10.7
1992	50,561	35	6.9	4.6	9.2
1994	46,667	42	9.0	6.3	11.7

**Source:** California HIV/AIDS Update, Office of AIDS, April 1992  
HIV Seroprevalence in CA Childbearing Women, 1994,  
Office of AIDS, HIV/AIDS Epidemiology Branch

**Notes:** \*As estimated through the CDC Anonymous Survey in Childbearing Women (SCW) using leftover heel-stick blood taken from newborn infants in participating states.

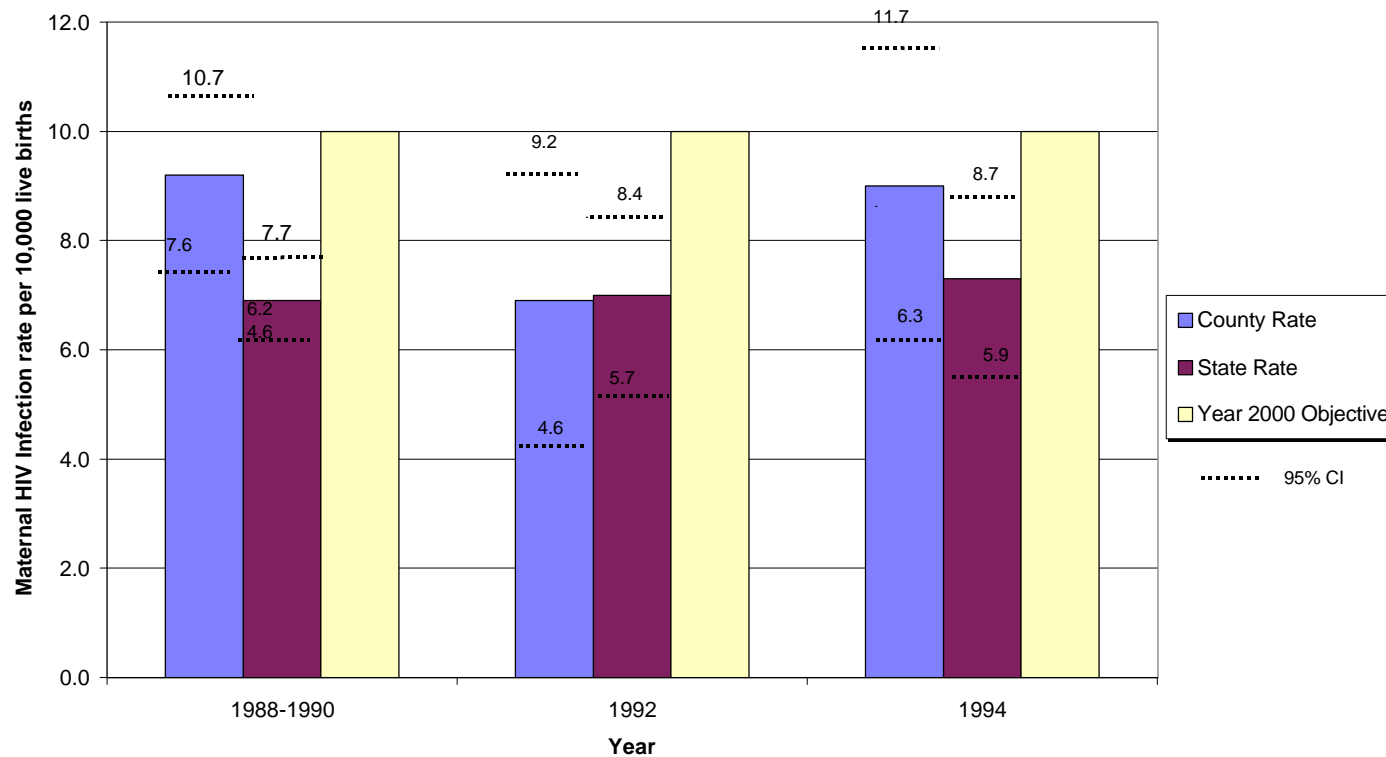


**Year 2000 Objective** Confine the prevalence of HIV infection among women giving birth to live-births infants to no more than 100 per 100,000

**Notes:** As estimated through the CDC Anonymous Survey in Childbearing Women (SCW) using leftover heel-stick blood taken from newborn infants in participating states.

**Source:** California HIV/AIDS Update, Office of AIDS, April 1992  
HIV Seroprevalence in CA Childbearing Women, 1994,  
Office of AIDS, HIV/AIDS Epidemiology Branch

**Maternal HIV Infection Rate per 10,000 Live Births  
California vs. Los Angeles County,  
1988-1990 Average, 1992, 1994**



**Year 2000 Objective:** Confine the prevalence of HIV infection among women giving birth to live-births infants to no more than 100 per 100,000

**Notes:** As estimated through the CDC Anonymous Survey in Childbearing Women (SCW) using leftover heel-stick blood taken from newborn infants in participating states.

**Source:** California HIV/AIDS Update, Office of AIDS, April 1992  
HIV Seroprevalence in CA Childbearing Women, 1994,  
Office of AIDS, HIV/AIDS Epidemiology Branch

# **Hospitalizations Among Children and Youth Due to Injuries**



## TITLE V INDICATOR TEMPLATES

<b>INDICATOR:</b>	<b>Hospitalizations among children and youth due to unintentional injuries</b>
<b>DEFINITION:</b>	The rate per 100,000 children and youth (ages 0 through 24) of hospitalizations due to unintentional injuries (E-codes 800.0-949.9)
<b>NUMERATOR:</b>	The number of hospitalizations to children and youth (ages 0 through 24 years) caused by unintentional injuries (E-codes 800.0-949.9), by place of residence
<b>DENOMINATOR:</b>	The total population ages 0 through 24, by place of residence
<b>YEAR 2000 OBJECTIVE:</b>	Reduce unintentional injury hospitalizations to no more than 754 per 100,000 (Objective 9.2)

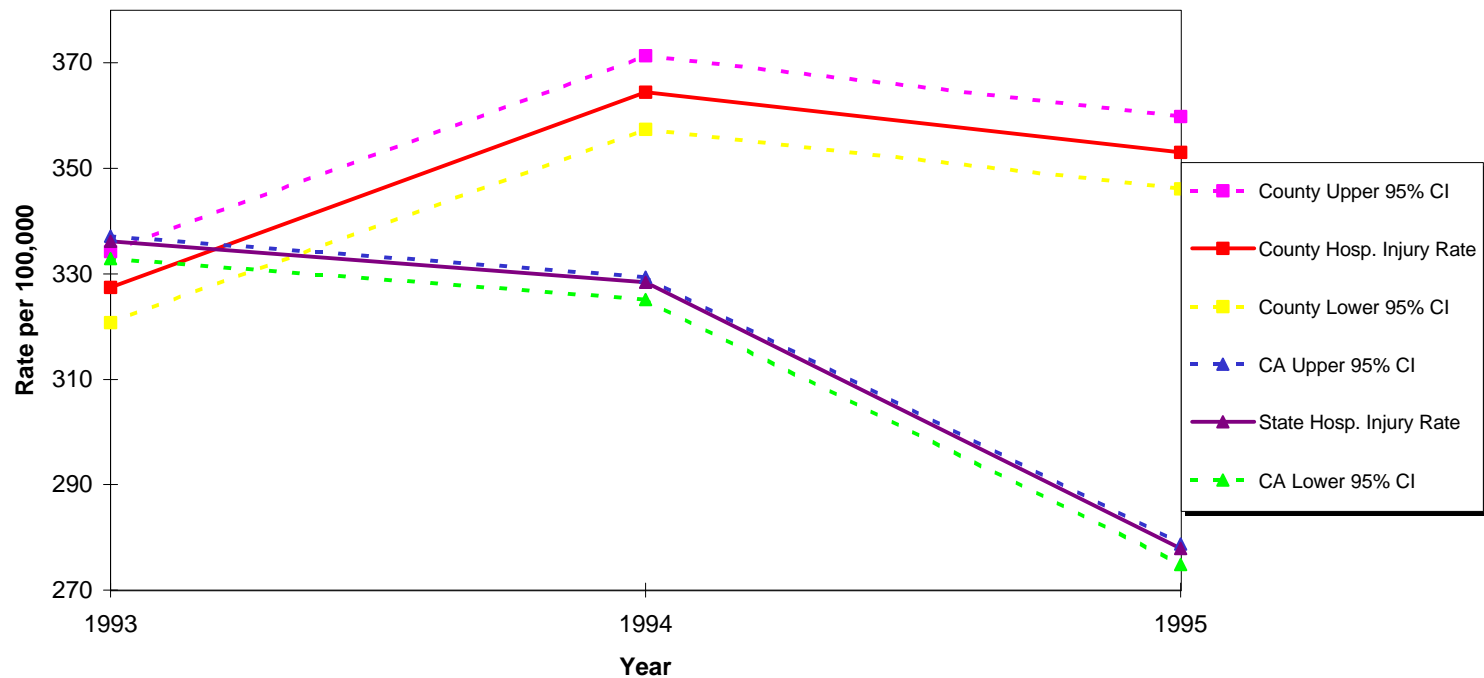
### Hospitalizations among children and youth through age 24 due to unintentional injuries

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Year	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1993	40,191	336.1	332.9	337.2	9,167	327.5	320.79	334.17
1994	39,929	328.4	325.2	329.4	10,382	364.4	357.44	371.44
1995	34,391	277.8	274.9	278.8	10,178	353.0	346.16	359.86

DENOMINATOR: Total population ages 0 through 24		
	State	County
1993	11,956,912	2,799,238
1994	12,159,396	2,848,758
1995	12,377,926	2,883,208

<b>Sources:</b>	Hospital discharge data from the Office of Statewide Health Planning and Development State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998
<b>Note:</b>	Los Angeles County rate is calculated for children and youth ages 0 through 19. Methodology changed after 1993.

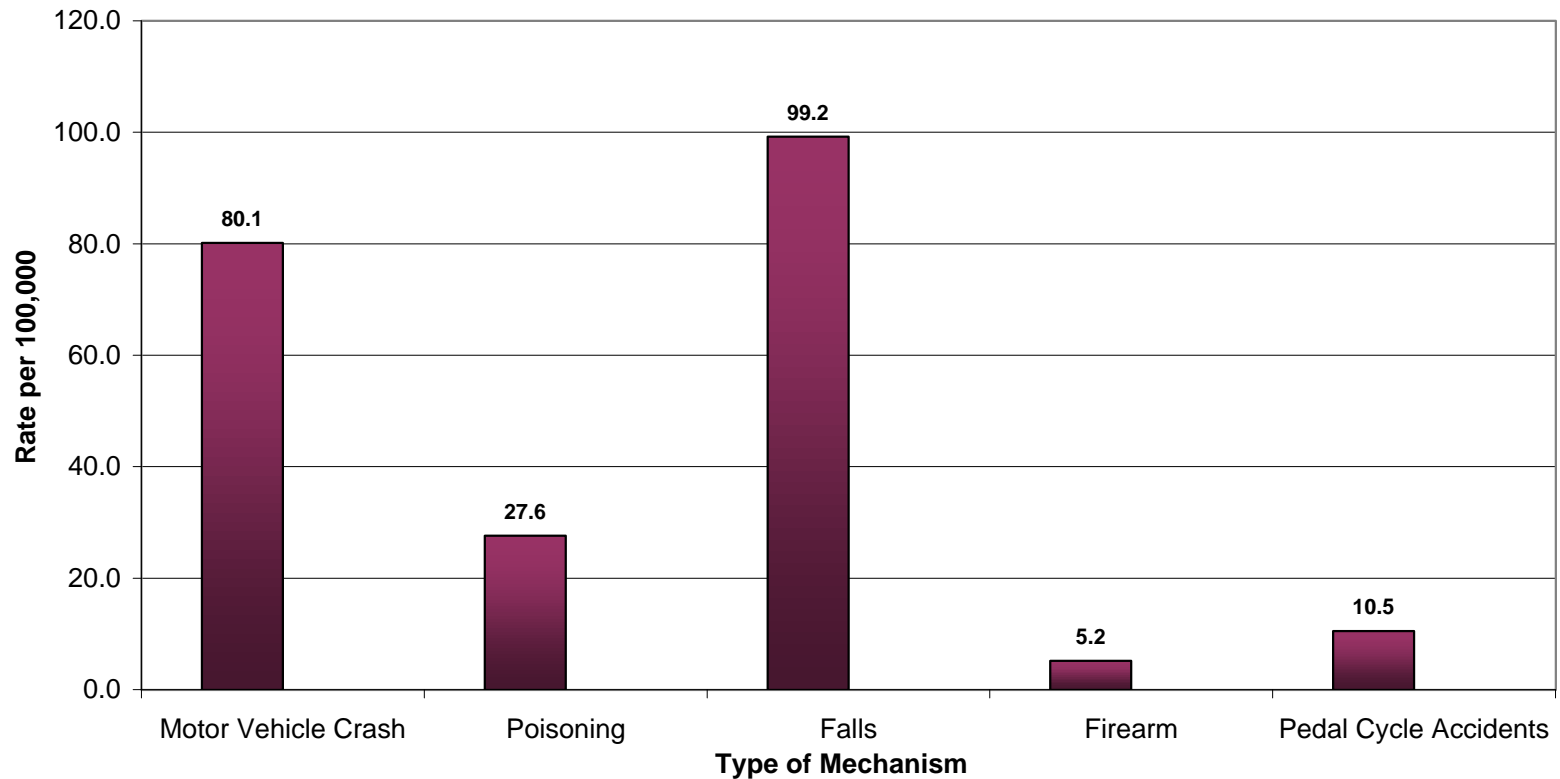
### Hospitalizations Among Children and Youth Due to Unintentional Injuries: California and Los Angeles County, 1993 - 1995



**Sources:** Hospital discharge data from the Office of Statewide Health Planning and Development  
 State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998

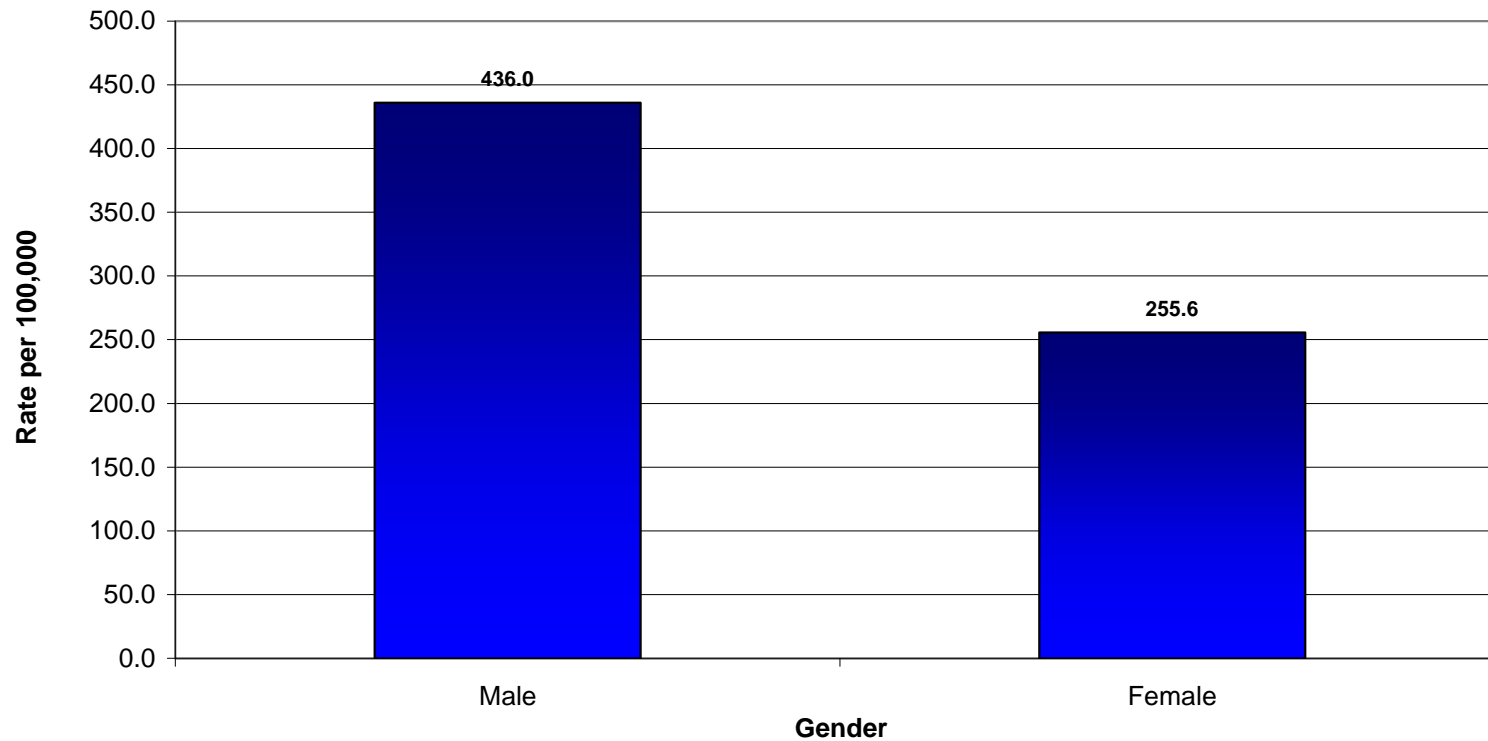
**Note:** Los Angeles County rate is calculated for children and youth ages 0 through 19.  
 Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Unintentional Injuries by Mechanism, 3-Year Average  
Los Angeles County, 1993 - 1995**



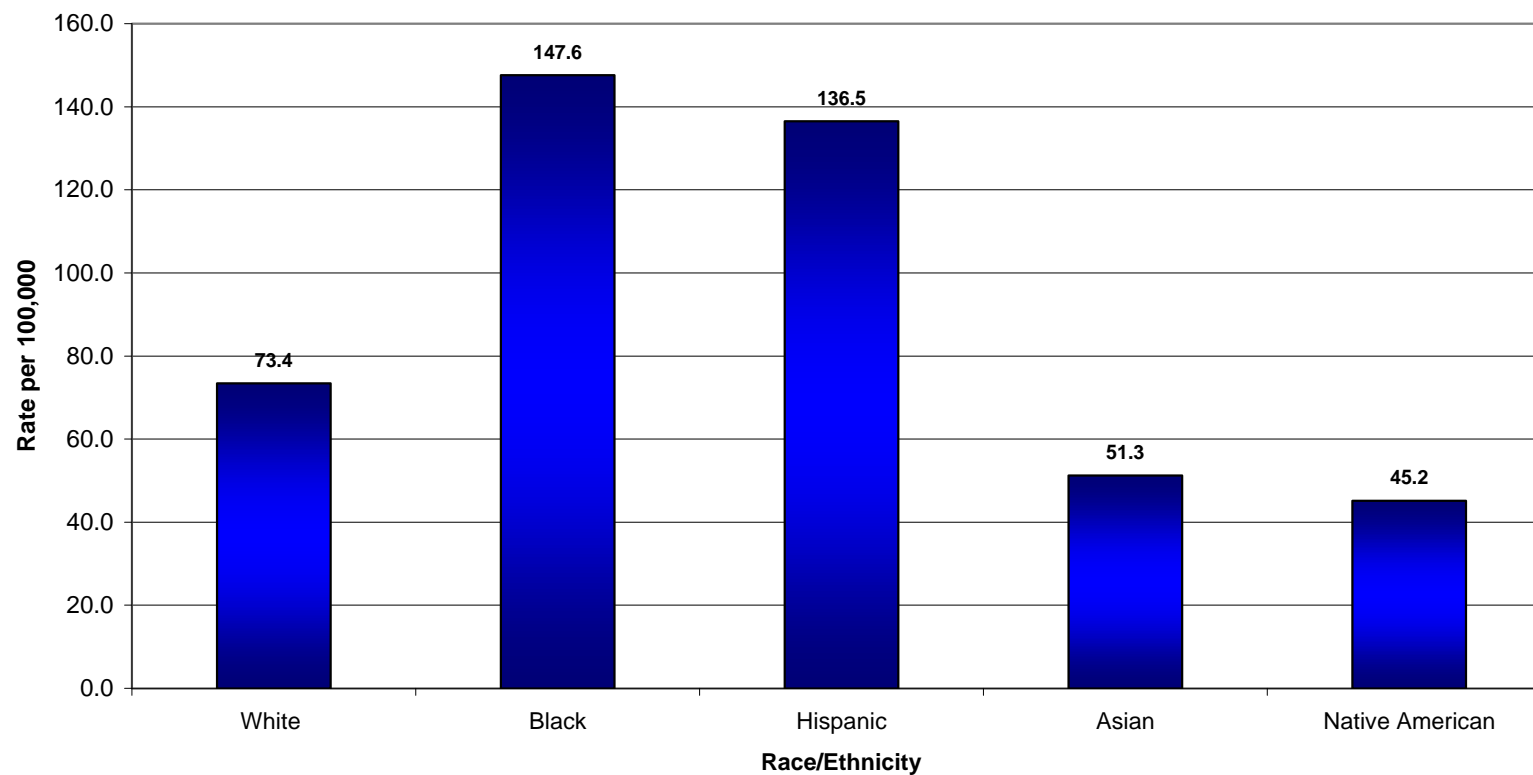
Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Unintentional Injuries by Gender, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Unintentional Injuries by Race/Ethnicity, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

## TITLE V INDICATOR TEMPLATES

<b>INDICATOR:</b>	<b>Hospitalizations among children and youth due to intentional injuries</b>
<b>DEFINITION:</b>	The rate per 100,000 children and youth (ages 0 through 24) of hospitalizations due to assaultive intentional injuries (E960.0-969.9)
<b>NUMERATOR:</b>	The number of hospitalizations to children and youth (ages 0 through 24 years) caused by intentional injuries (E960.0-.9) by place of residence
<b>DENOMINATOR:</b>	The total population ages 0 through 24, by place of residence
<b>YEAR 2000 OBJECTIVE:</b>	None

### Hospitalizations among children and youth due to intentional injuries

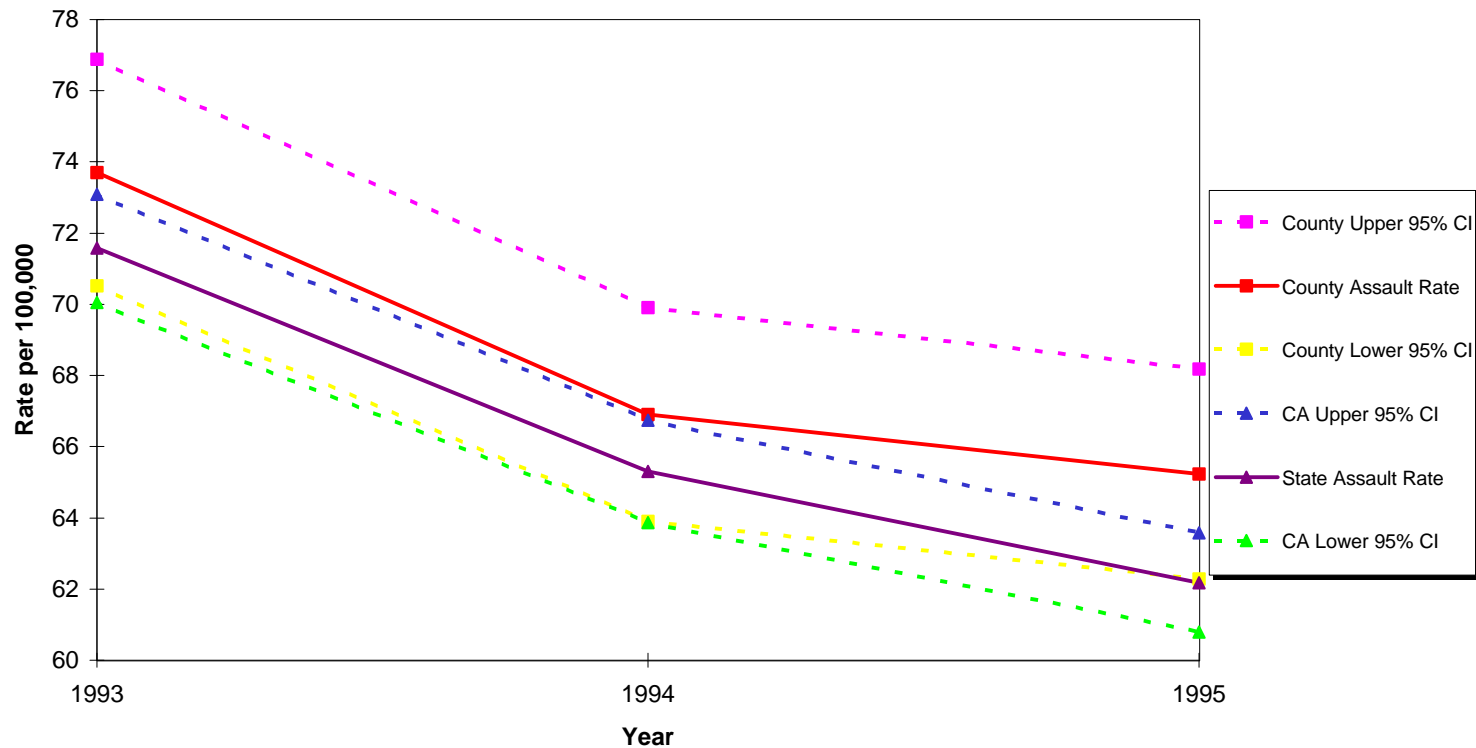
	California				County			
			95% Confidence Interval				95% Confidence Interval	
Year	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1993	8,558	71.6	70.1	73.1	2,063	73.7	70.5	76.9
1994	7,940	65.3	63.9	66.7	1,906	66.9	63.9	69.9
1995	7,697	62.2	60.8	63.6	1,881	65.2	62.3	68.2

DENOMINATOR: Total population ages 0 through 24		
	State	County
1993	11,956,912	2,799,238
1994	12,159,396	2,848,758
1995	12,377,926	2,883,208

**Sources:** Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** Los Angeles County rate is calculated for children and youth ages 0 through 19.  
Methodology changed after 1993.

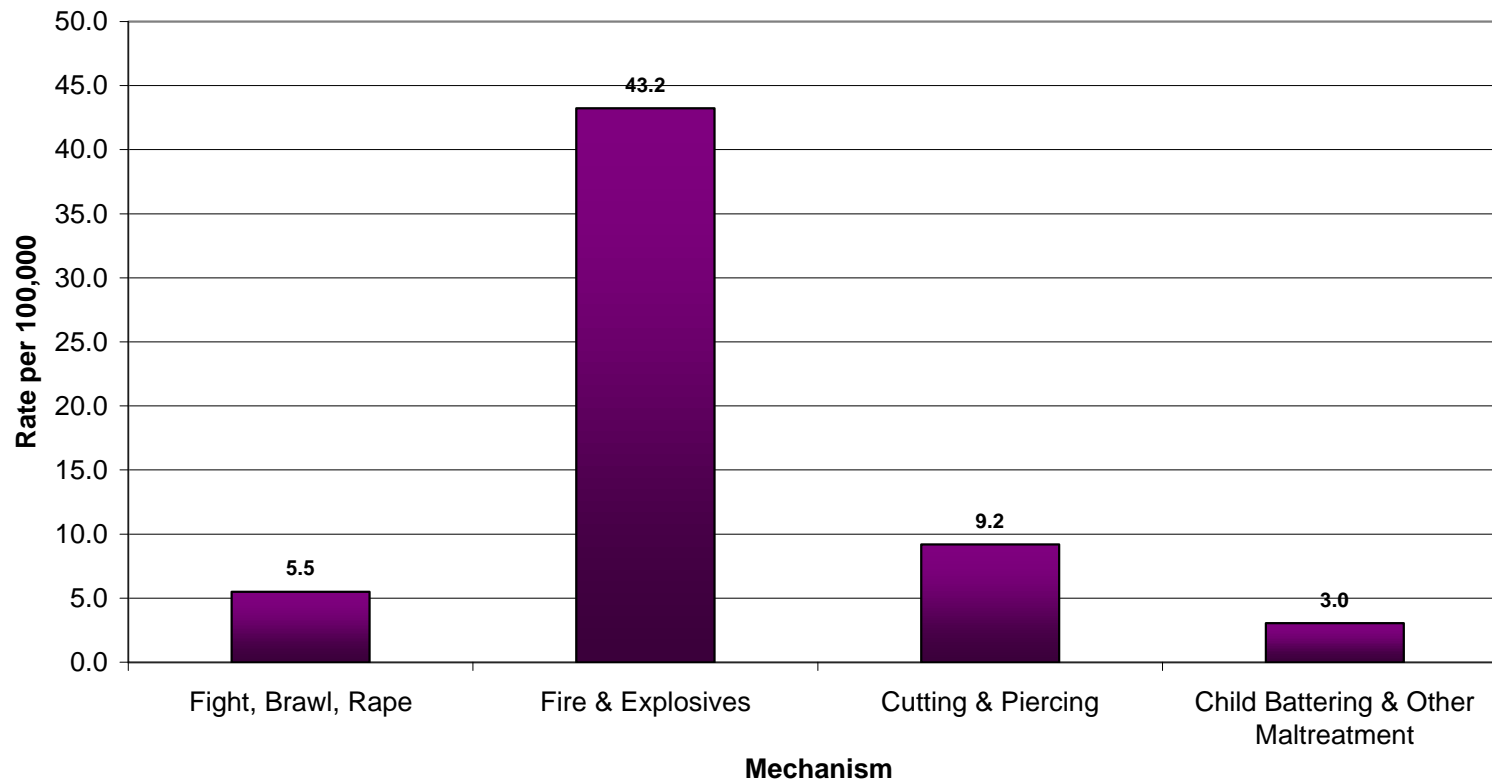
### Hospitalizations Among Children and Youth Due to Intentional Injuries: California and Los Angeles County, 1993 - 1995



**Sources:** Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** Los Angeles County rate is calculated for children and youth ages 0 through 19.  
Methodology changed after 1993.

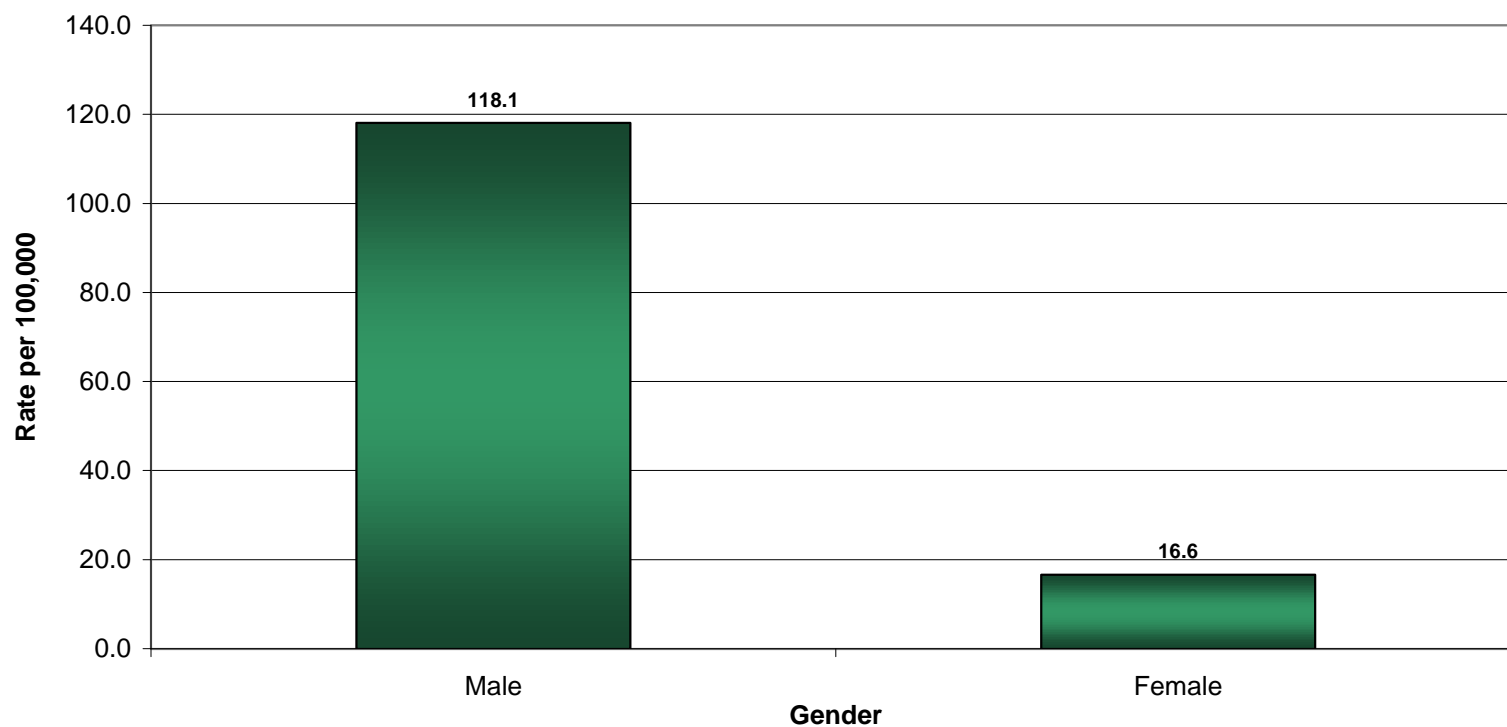
**Hospitalizations Among Children and Youth Ages 0-19  
Due to Intentional Injuries by Mechanism, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

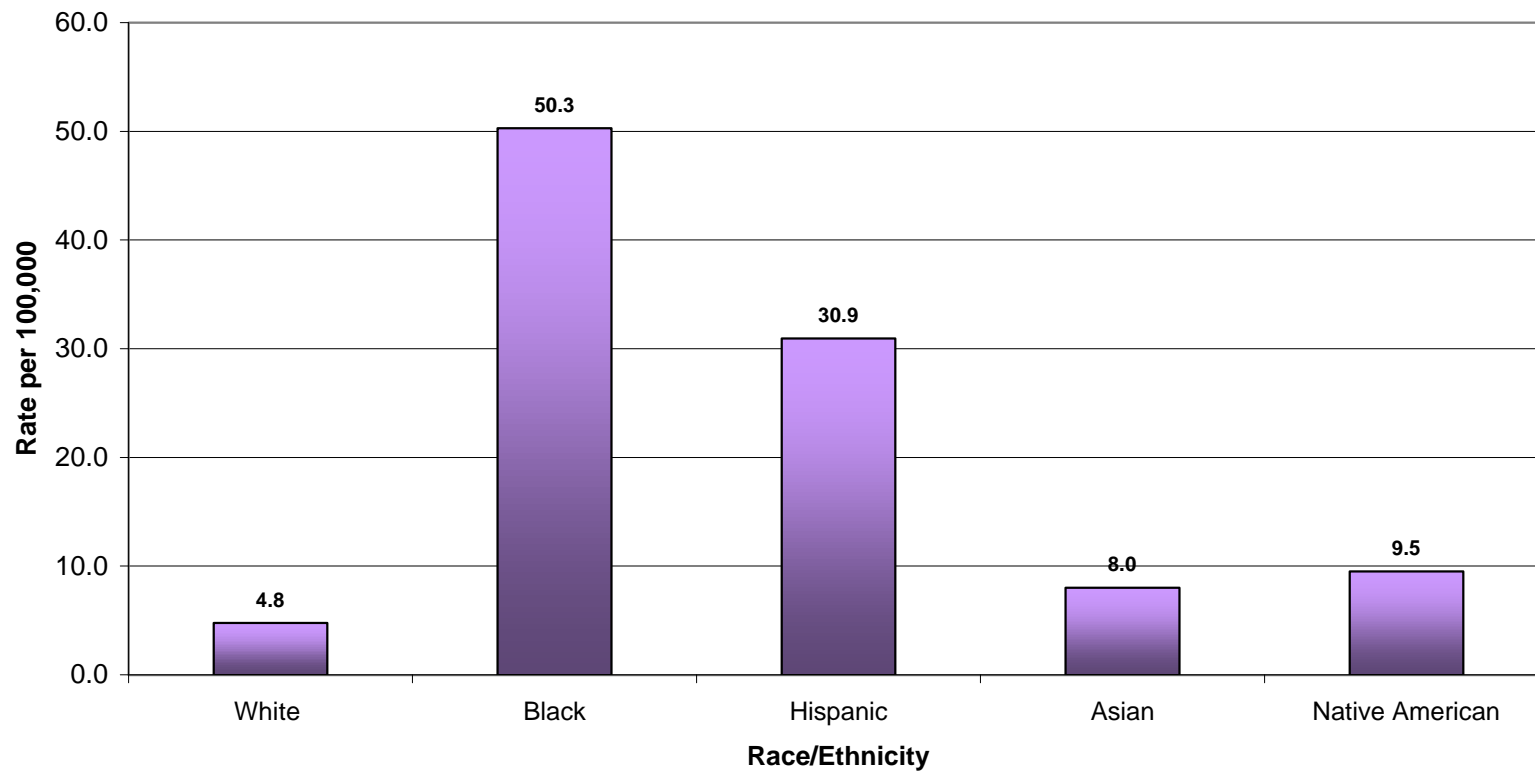


**Hospitalization Among Children and Youth Ages 0-19  
Due to Intentional Injuries by Gender, 3-Year Average  
Los Angeles County, 1993 - 1995**



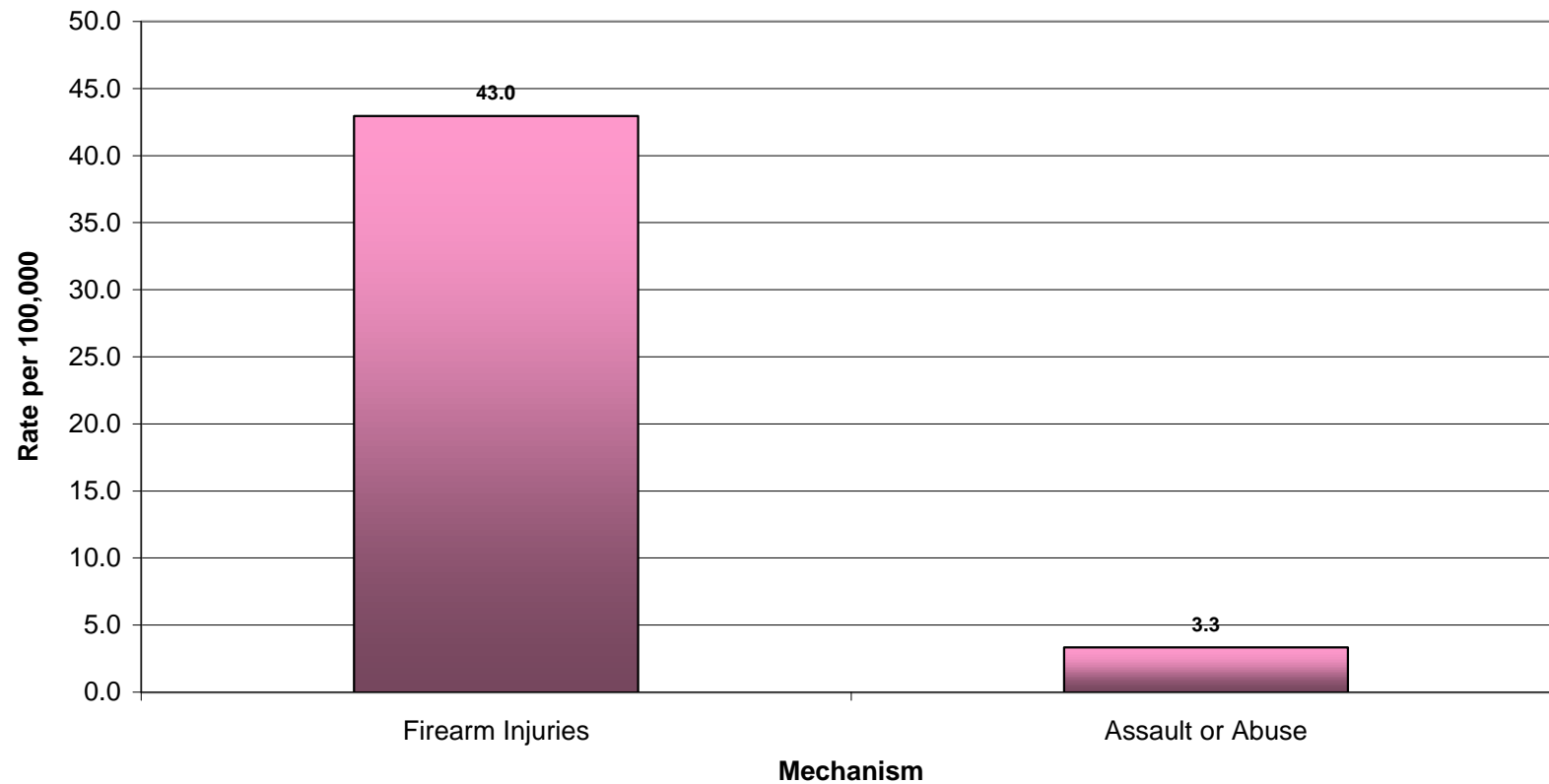
Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

**Hospitalization Among Children and Youth Ages 0-19  
Due to Intentional Injuries by Race/Ethnicity, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Intentional Injuries by Selected Mechanism, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Hospitalizations among children and youth due to self-inflicted injuries

**DEFINITION:** The rate per 100,000 children and youth (ages 0 through 24) of hospitalizations due to self-inflicted injuries (E950.0-959.0)

**NUMERATOR:** The number of hospitalizations to children (ages 0 through 24) due to self-inflicted injuries (E950.0-959.0), by place of residence

**DENOMINATOR:** The total population ages 0 through 24, by place of residence

**YEAR 2000 OBJECTIVE:**

Reduce by 15% the incidence of injurious suicide attempts among adolescents aged 14-17 (objective 7.8)

### Hospitalizations among children and youth due to self-inflicted injuries

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Year	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1993	4,869	40.7	39.6	41.9	855	30.5	28.5	32.6
1994	5,156	42.4	41.2	42.8	828	29.1	27.1	31.0
1995	4,851	39.2	38.1	39.5	870	30.2	28.2	32.2

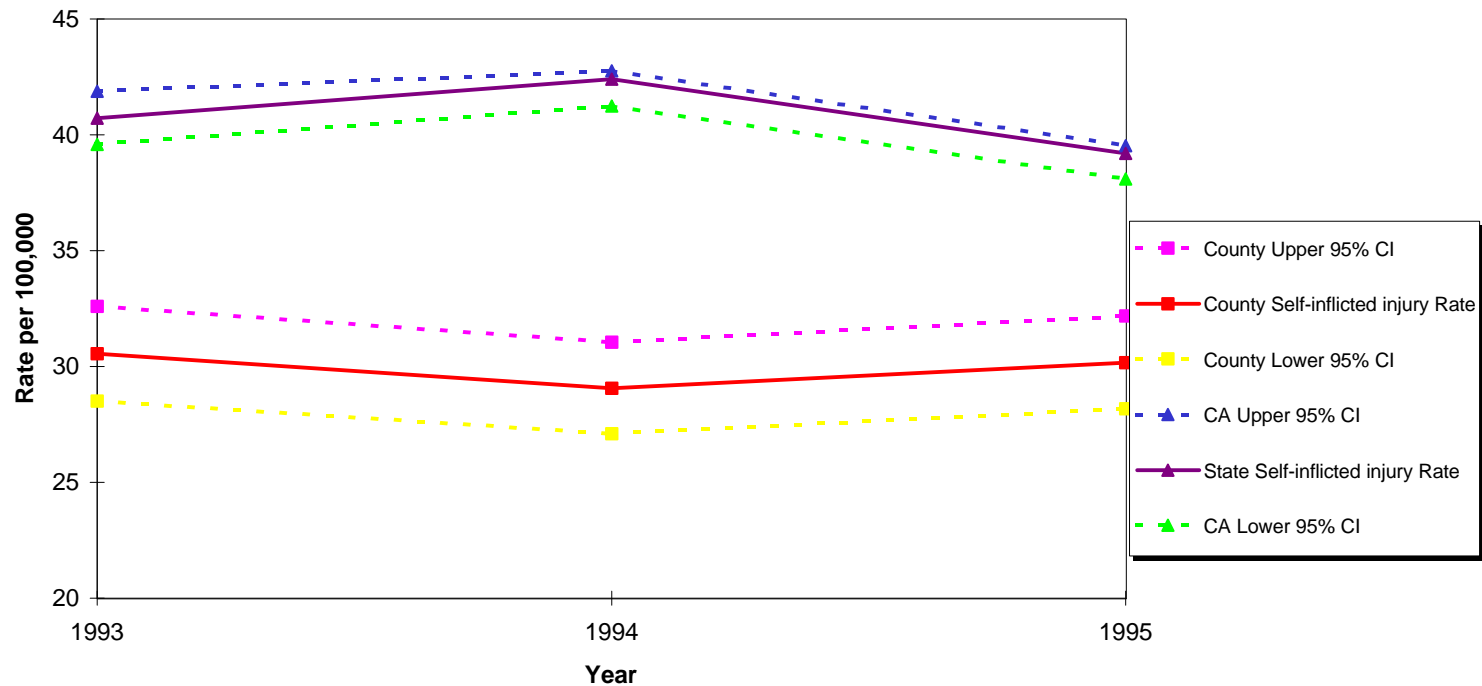
DENOMINATOR: Total population ages 0 through 24		
	State	County
1993	11,956,912	2,799,238
1994	12,159,396	2,848,758
1995	12,377,926	2,883,208

**Sources:** Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic

Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** Los Angeles County rate is calculated for children and youth ages 0 through 19.  
Methodology changed after 1993.

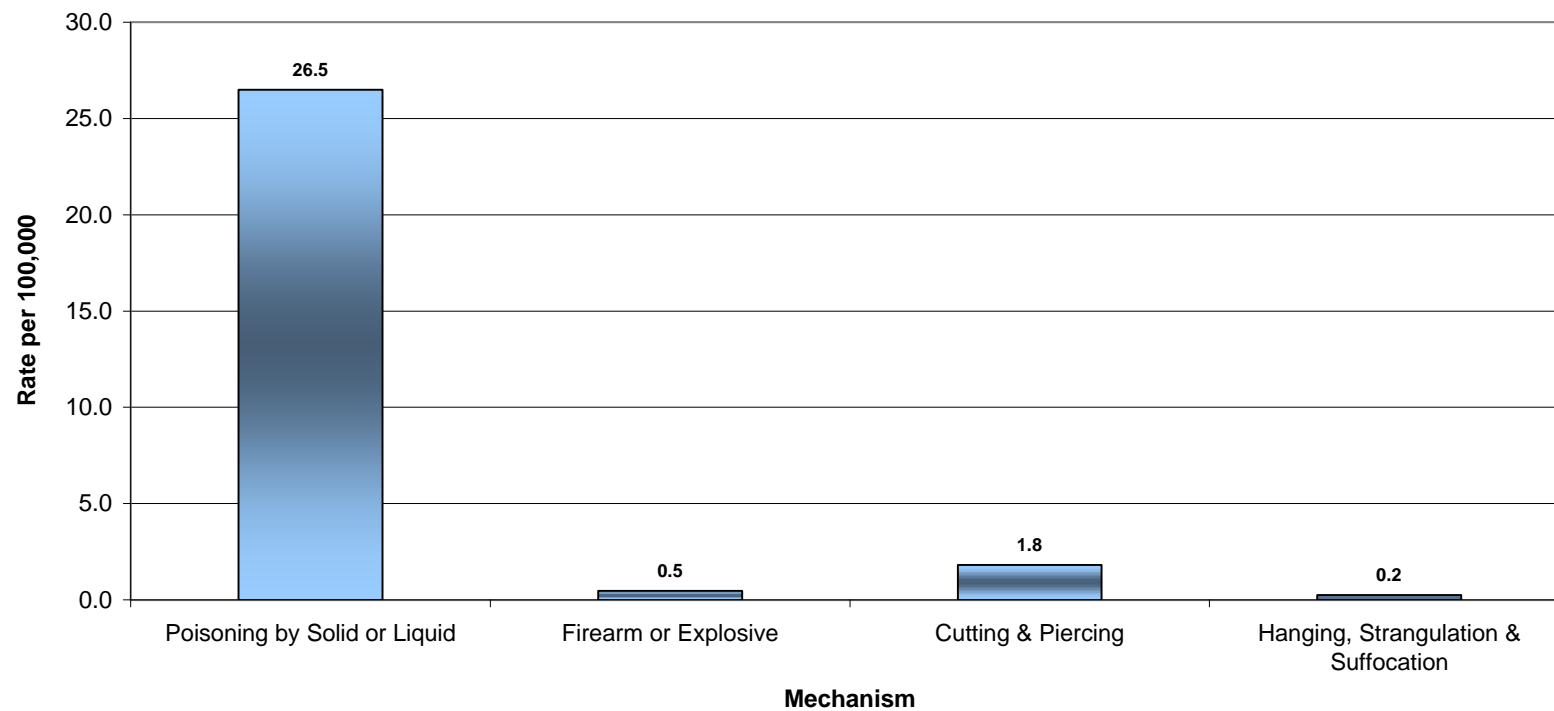
### Hospitalizations Among Children and Youth Due to Self-Inflicted Injuries: California and Los Angeles County, 1993 - 1995



**Sources:** Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

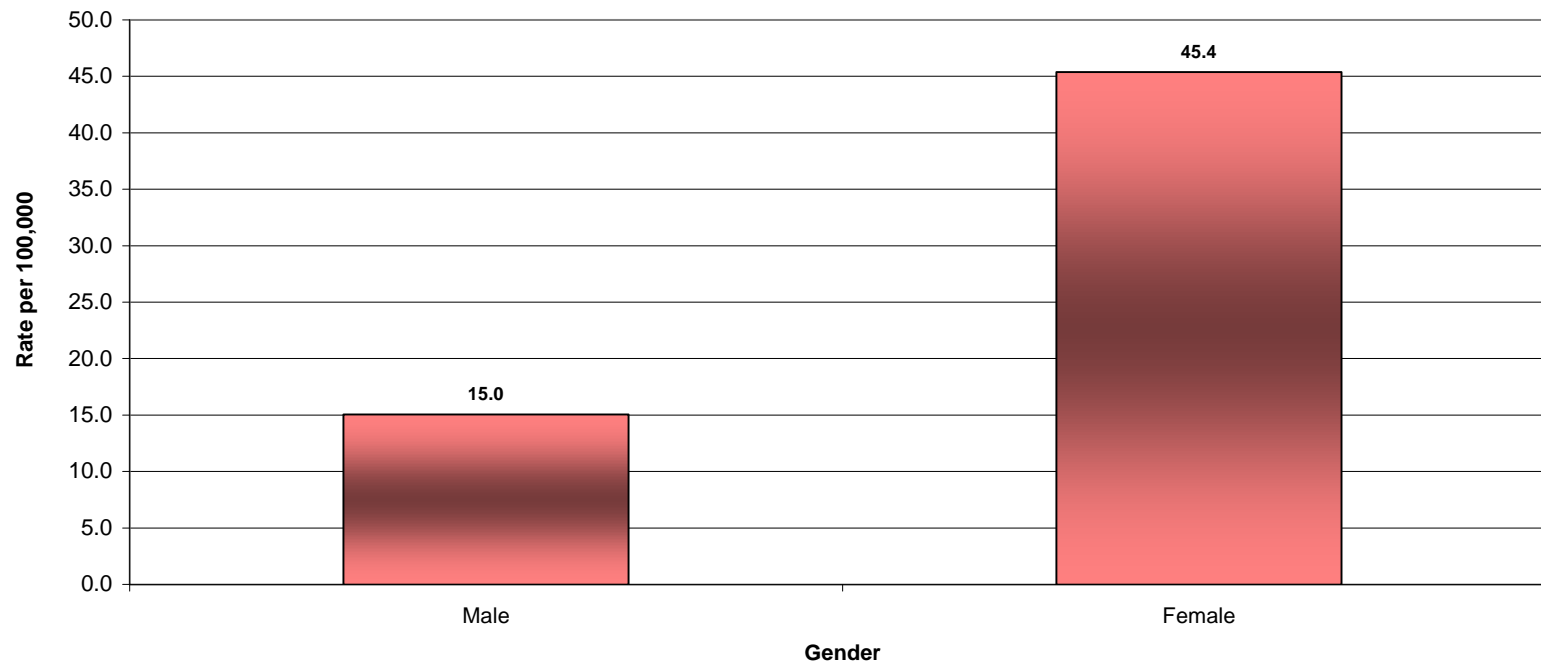
**Note:** Los Angeles County rate is calculated for children and youth ages 0 through 19.  
Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Self-Inflicted Injuries by Mechanism, 3-Year Average  
Los Angeles County, 1993 - 1995**



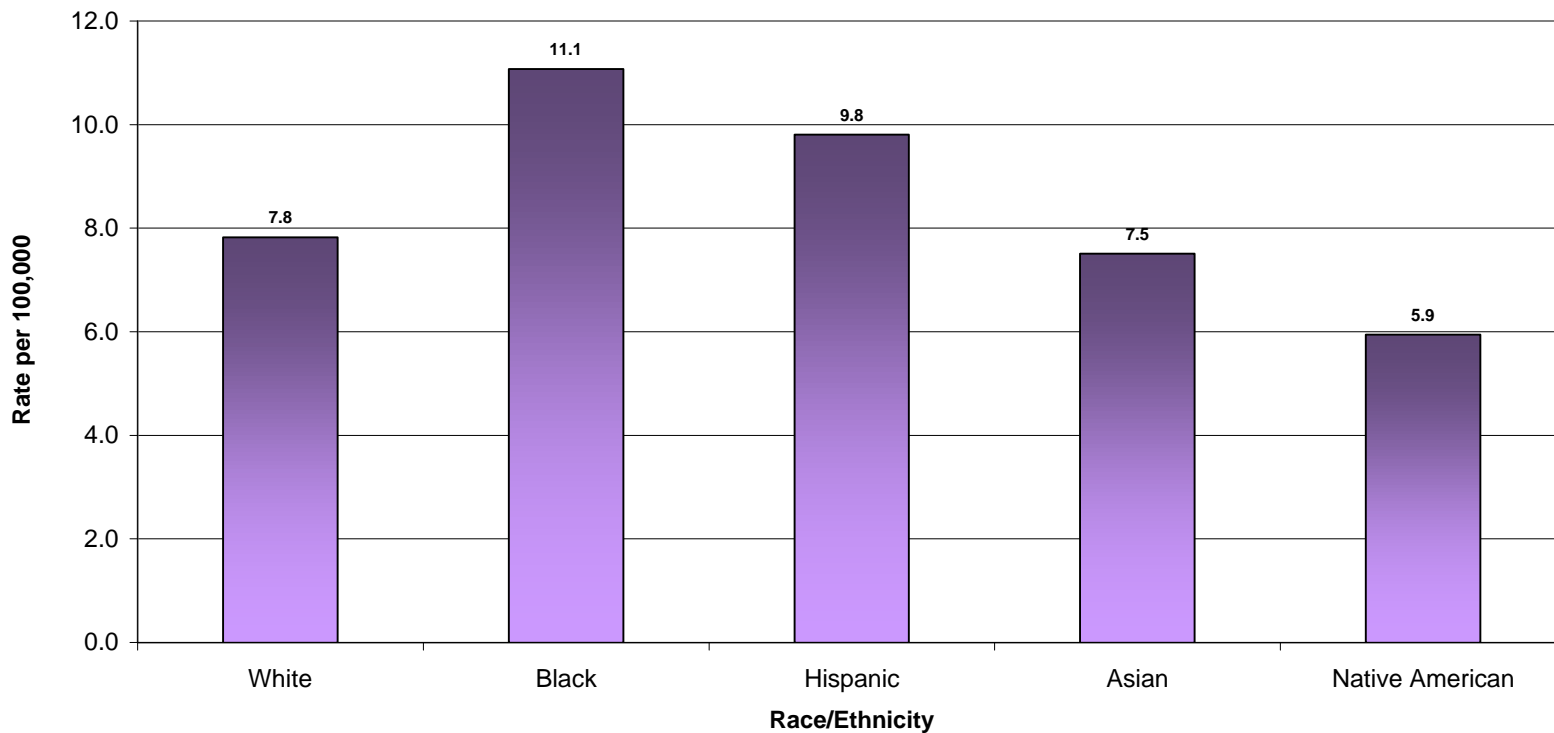
Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Self-Inflicted Injuries by Gender, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.

**Hospitalizations Among Children and Youth Ages 0-19  
Due to Self-Inflicted Injuries by Race/Ethnicity, 3-Year Average  
Los Angeles County, 1993 - 1995**



Sources: Hospital discharge data from the Office of Statewide Health Planning and Development  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998  
Note: Methodology changed after 1993.



# **Deaths Among Children and Youth Due to Injuries**

## TITLE V INDICATOR TEMPLATES

**INDICATOR:** Deaths due to unintentional injuries among children and youth

**DEFINITION:** The number of deaths due to unintentional injuries (E-codes 800.0-949.9) per 100,000 children and youth (ages 0 through 24 years)

**NUMERATOR:** The number of deaths due to unintentional injuries among children and youth (ages 0 through 24 years), by place of residence

**DENOMINATOR:** The total population (ages 0 through 24 years), by place of residence

**YEAR 2000 OBJECTIVE:**

Reduce deaths caused by unintentional injuries to no more than 29.3 per 100,000 people (Objective 9.1)

California MCH Five Year Objective: Reduce deaths among children and youth through age 24 caused by unintentional injuries by at least 15 percent.

**RISK FACTORS:** Low income; race/ethnicity (Black, American Indian, Alaska Native); gender (male); inadequate parental supervision/environmental precautions taken; parental/personal alcohol or substance abuse; access to weapons/inadequate firearm regulation/enforcement; lack of health care provider counseling/focus; lack of knowledge about injury protection devices/countermeasures/regulations; lack of consistent legislation/enforcement/use of protective devices; lack of use of sports/recreation protective gear; mental health/developmental disability

### Deaths due to unintentional injuries among children and youth ( ages 0 through 24 years)

	California, Three Year Average			County, Three Year Average				
			95% Confidence Interval				95% Confidence Interval	
Three Year Average	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1989 - 1991	2709	23.9	23.0	24.8	724	20.9	19.3	22.4
1990 - 1992	2493	21.6	20.8	22.4	664	18.9	17.5	20.4
1991 - 1993	2272	19.3	18.5	20.1	579	16.3	15.0	17.6
1992 - 1994	2109	17.6	16.9	18.4	511	14.4	13.2	15.7
1993 - 1995	2112	17.4	16.6	18.1	522	14.7	13.4	16.0
1994 - 1996	1980	16.0	15.3	16.7	468	13.3	12.1	14.5

**Sources:** 1989-1996 death records from the California Department of Health Services, Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.

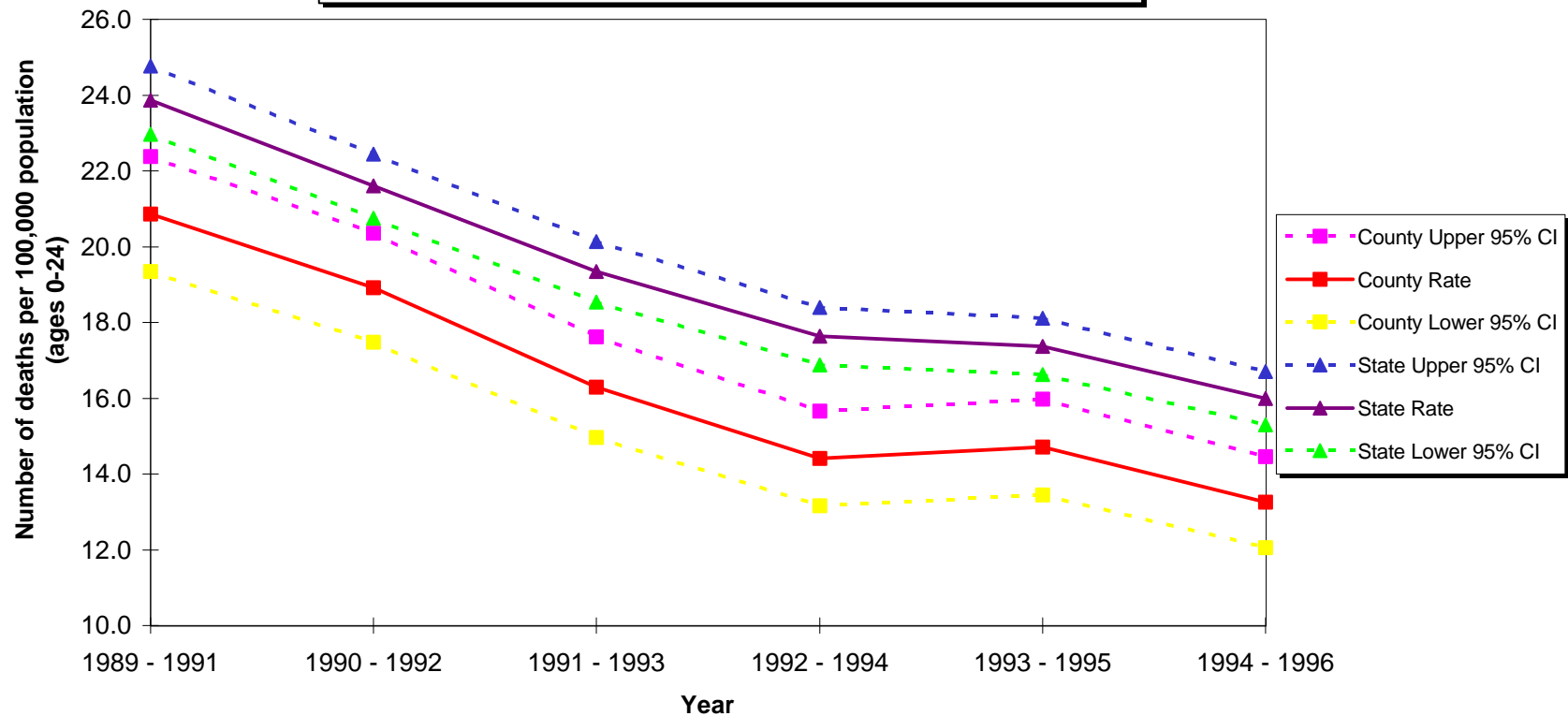
### DENOMINATOR: Total population ages 0 through 24

	State	County
1989	11,175,281	3,293,785
1990	11,351,613	3,472,855
1991	11,541,129	3,507,456
1992	11,750,023	3,552,887
1993	11,956,912	3,544,537
1994	12,159,396	3,546,404
1995	12,377,906	3,529,488
1996	11,971,762	3,518,026

### NUMERATOR: Deaths among children and youth through age 24 caused by unintentional injuries

	State	County
1989	2,866	720
1990	2,730	761
1991	2,531	692
1992	2,218	538
1993	2,227	570
1994	2,067	506
1995	2,041	489
1996	1,831	409

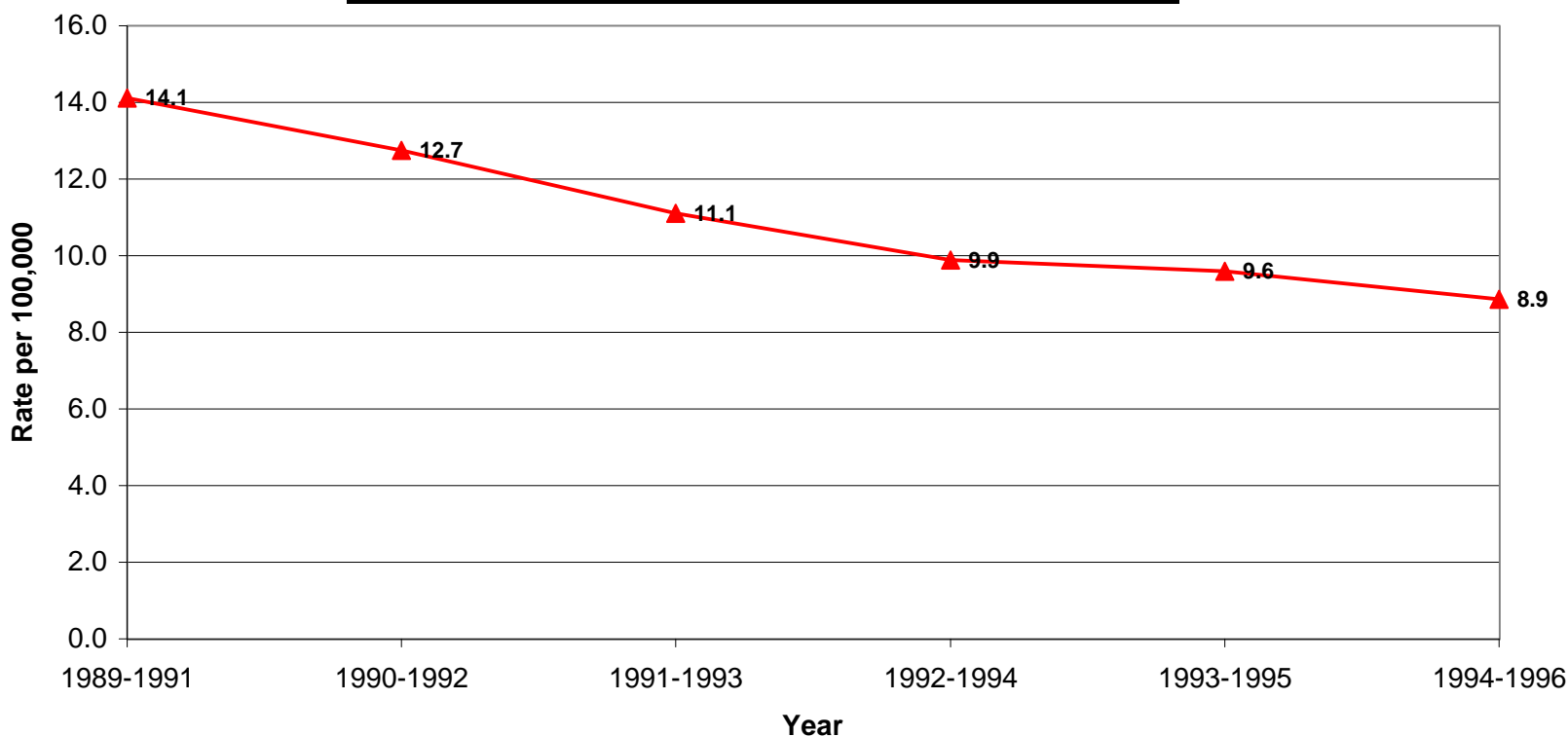
**Deaths Due to Unintentional Injuries  
per 100,000 Children and Youth (Ages 0-24 Years)  
California vs. Los Angeles County,  
Three Year Averages: 1989 through 1996**



**Sources:** 1989-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

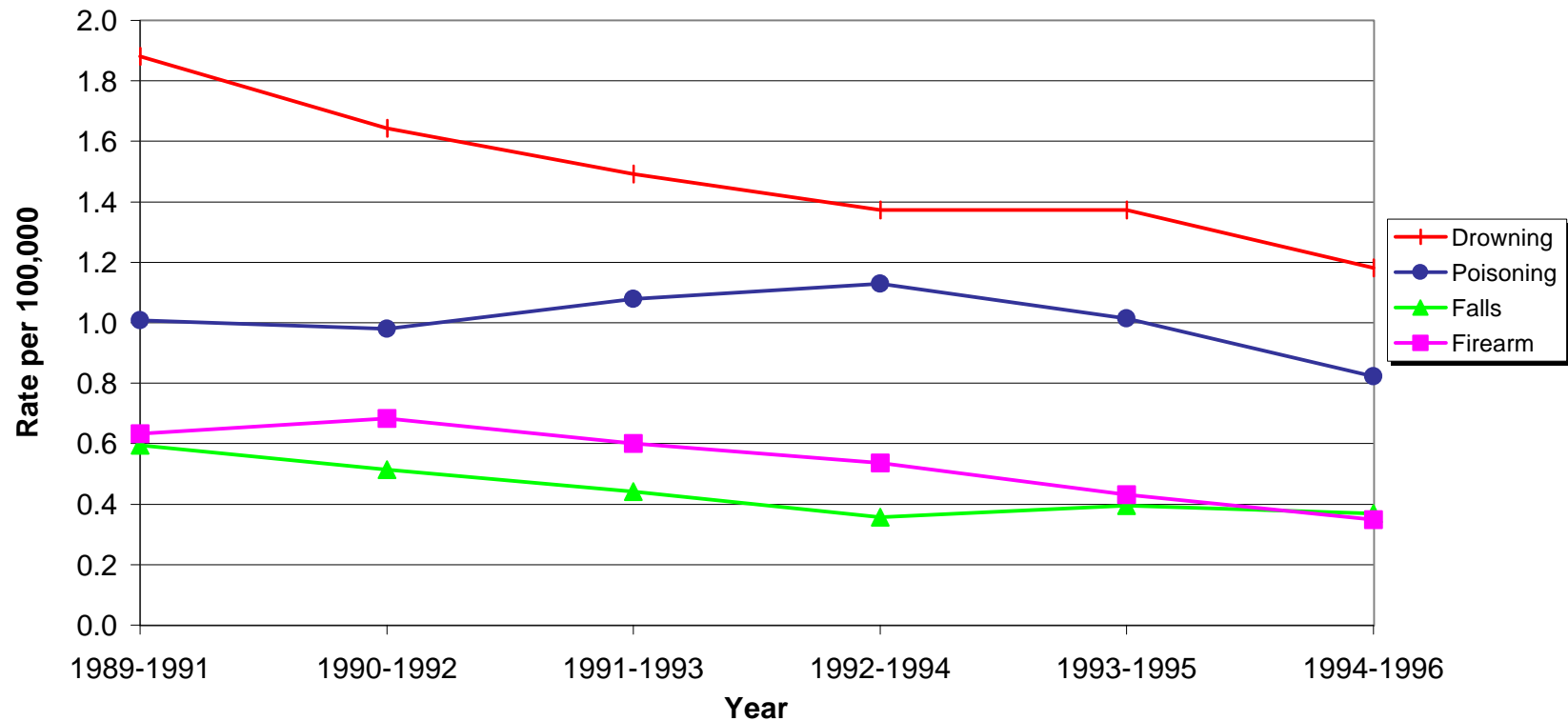
**Note:** 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.

**Deaths Due to Motor Vehicle Crashes  
Children and Youth Ages 0-24, 3-Year Average  
Los Angeles County, 1989 - 1996**



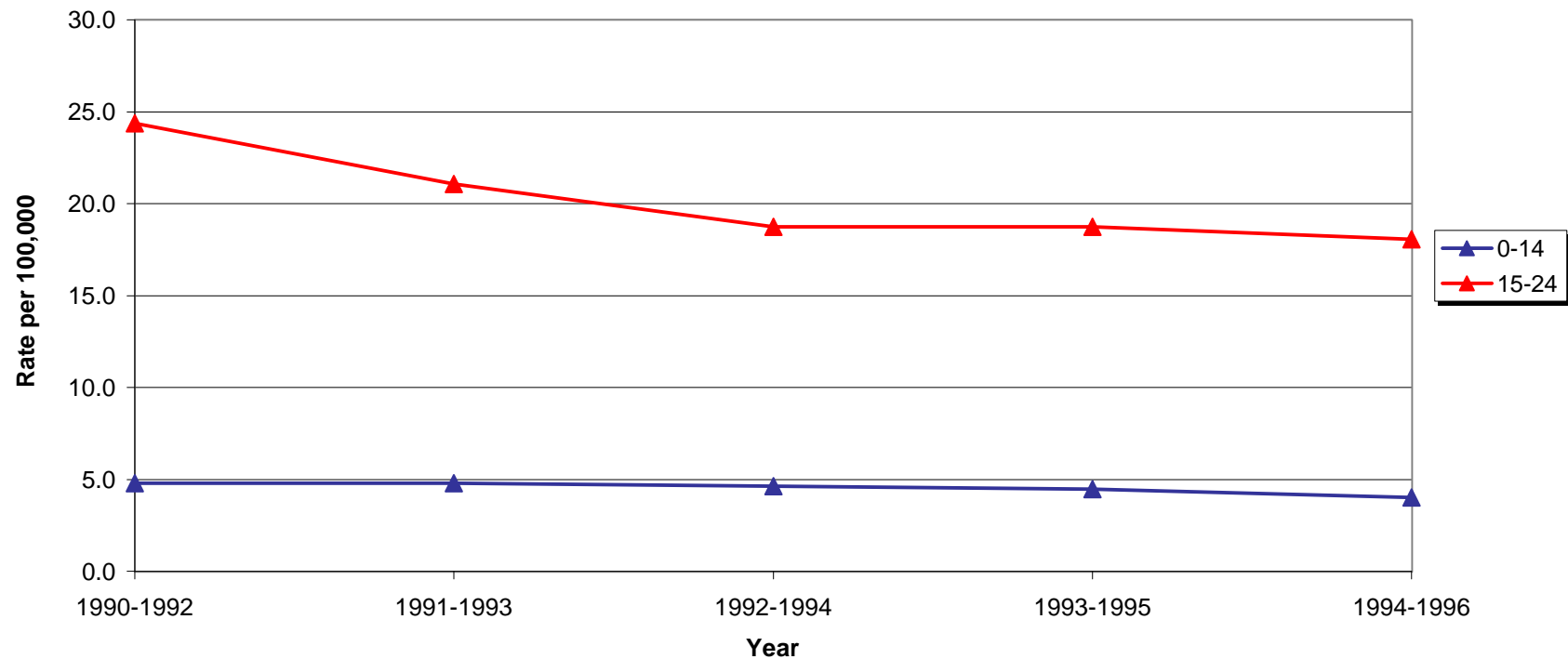
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1989-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Unintentional Injuries by Mechanism  
Children and Youth Ages 0-24, 3-Year Average  
Los Angeles County, 1989 - 1996**



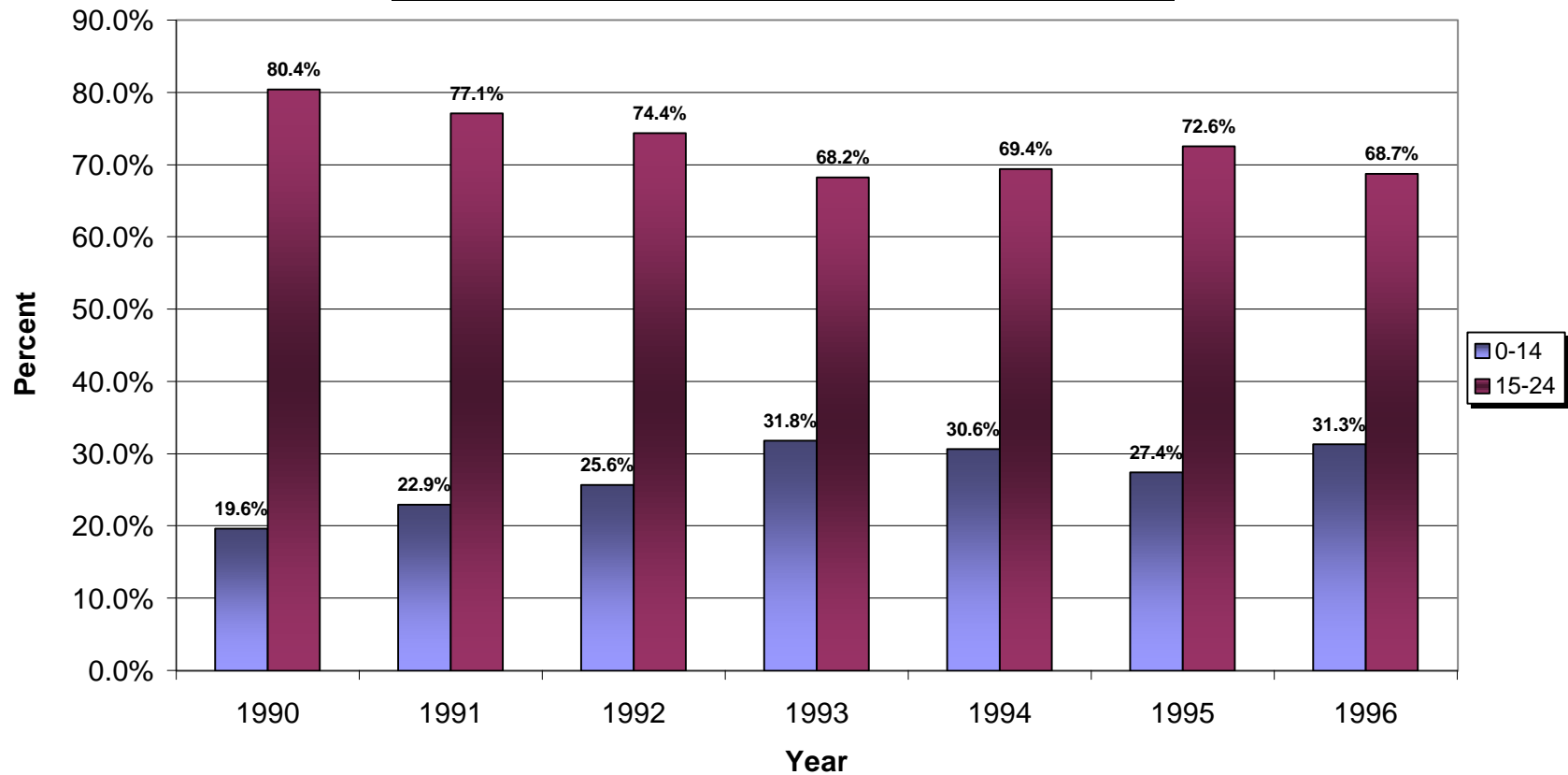
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
 Sources: 1989-1996 death records from the California Department of Health Services,  
 Health Data and Statistics Branch  
 State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Motor Vehicle Crashes  
Children Ages 0-24 by Age Group, 3-Year Average  
Los Angeles County, 1990 - 1996**



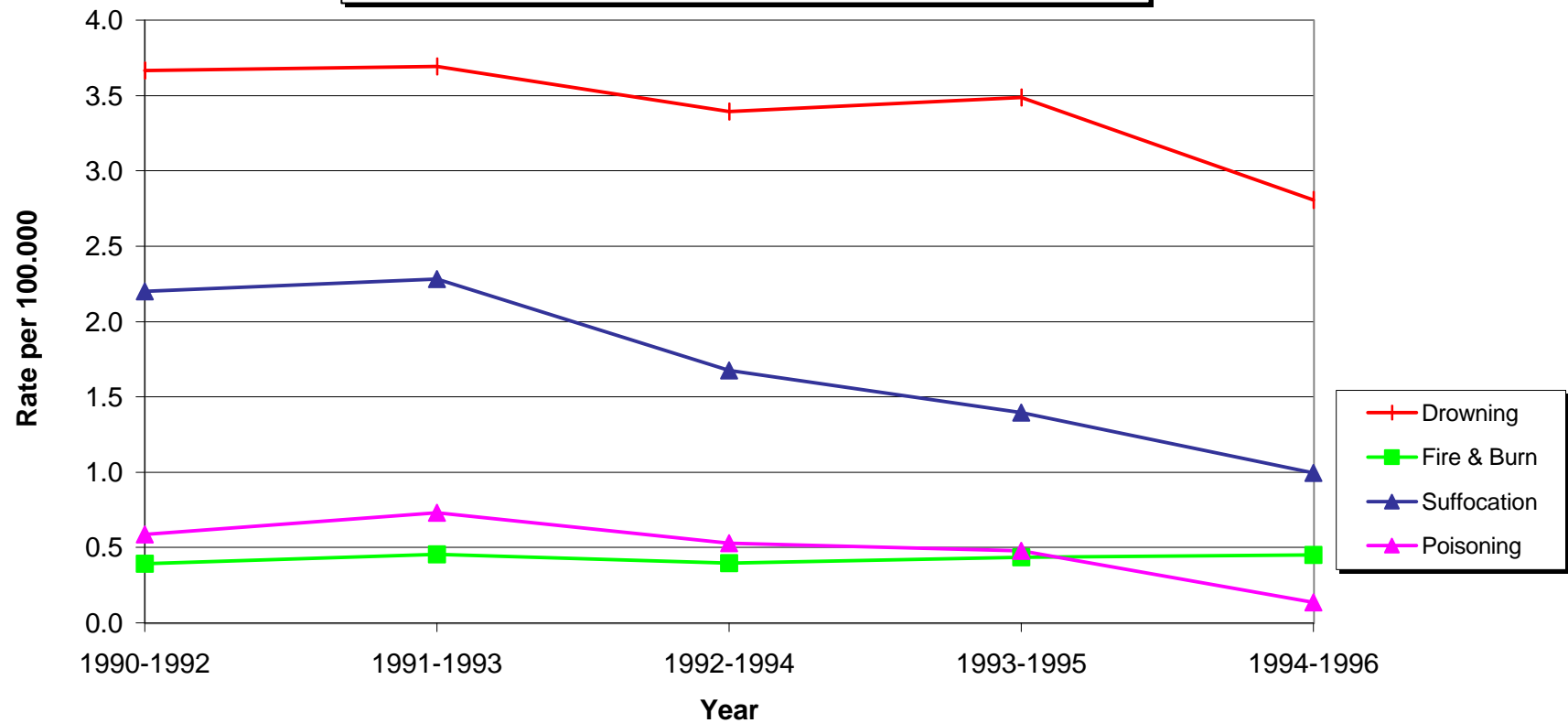
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Percent of Deaths Due to Motor Vehicle Crashes  
Children and Youth Ages 0-24 by Age Group  
Los Angeles County, 1990 - 1996**



Note: 1996 SDHS death data used is provisional pending resolution of discrepancies.  
 Sources: 1990-1996 death records from the California Department of Health Services,  
 Health Data and Statistics Branch  
 State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Unintentional Injuries  
Children Ages 0-3 by Mechanism, 3-Year Average  
Los Angeles County, 1990 - 1996**



Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998



## TITLE V INDICATOR TEMPLATES

<b>INDICATOR:</b>	<b>Deaths due to assaultive injuries (homicide) among children and youth</b>
<b>DEFINITION:</b>	The three year average rate per 100,000 children and youth (ages 0 through 24) of deaths due to homicide (E-Codes 960.0-969.9)
<b>NUMERATOR:</b>	The number of deaths due to homicide among children and youth (ages 0 through 24), by place of residence (three year average)
<b>DENOMINATOR:</b>	The total population ages 0 through 24, by place of residence, for the middle year of the three year time period of interest
<b>YEAR 2000 OBJECTIVE:</b>	Reduce homicides to no more than 7.2 per 100,000 people (Objective 7.1)  Special population target: Children aged 3 and younger (3.1 per 100,000; Objective 7.1a)

**RISK FACTORS:**  
 Low income; gender (male); age (teens, young adults); race/ethnicity (Black, Hispanic); history of abuse (victim of spousal/intimates, or child abuse); substance use/abuse; drug trafficking activity; easy access to firearms

### Deaths due to homicide among children and youth (ages 0 through 24 years)

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Three Year Average	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1989 - 1991	1462	12.9	12.2	13.5	815	23.5	21.9	25.1
1990 - 1992	1623	14.1	13.4	14.7	892	25.4	23.8	27.1
1991 - 1993	1666	14.2	13.5	14.9	882	24.8	23.2	26.5
1992 - 1994	1617	13.5	12.9	14.2	839	23.7	22.1	25.3
1993 - 1995	1626	13.4	12.7	14.0	811	22.9	21.3	24.5
1994 - 1996	1460	11.8	11.2	12.4	750	21.2	19.7	22.8

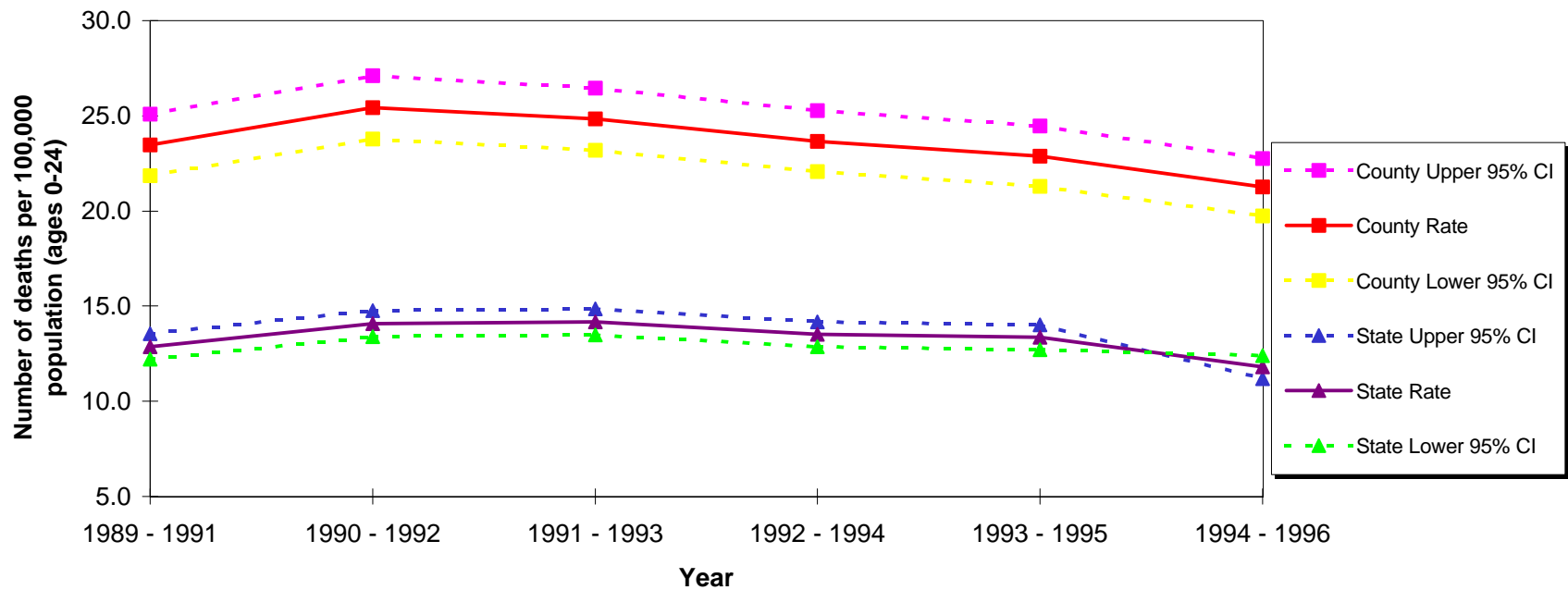
**Sources:** 1989-1996 death records from the California Department of Health Services, Health Data and Statistics Branch  
 State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies

DENOMINATOR: Total population ages 0 through 24		
	State	County
1989	11,175,281	3,293,785
1990	11,351,613	3,472,855
1991	11,541,129	3,507,456
1992	11,750,023	3,552,887
1993	11,956,912	3,544,537
1994	12,159,396	3,546,404
1995	12,377,906	3,529,488
1996	11,971,762	3,518,026

NUMERATOR: Deaths among children and youth through age 24 caused by homicide		
	State	County
1989	1,215	693
1990	1,468	820
1991	1,702	933
1992	1,700	924
1993	1,727	842
1994	1,597	789
1995	1,553	803
1996	1,230	658

**Deaths Due to Homicide  
per 100,000 Children and Youth (Ages 0-24 Years)  
California vs. Los Angeles County,  
Three Year Averages: 1989 through 1996**

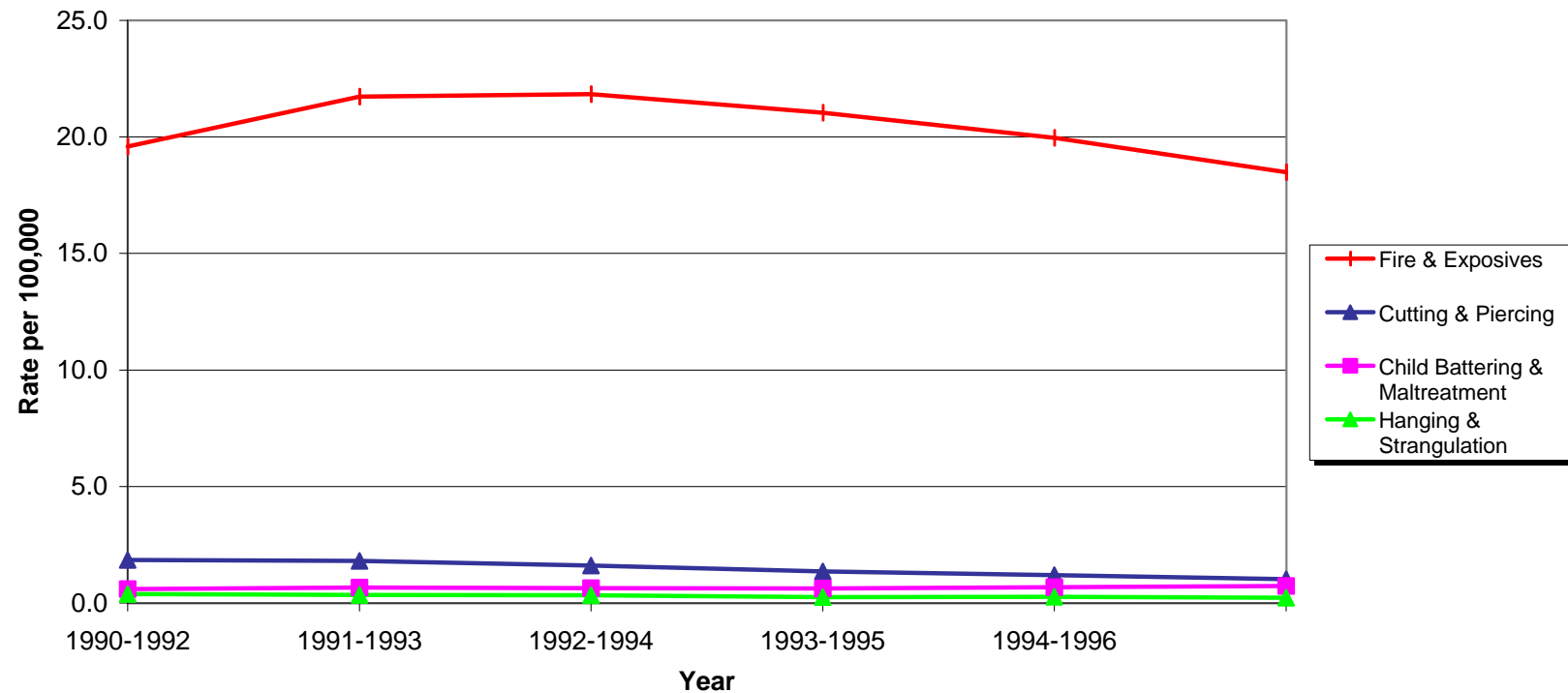


**Sources:** 1989-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch

State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

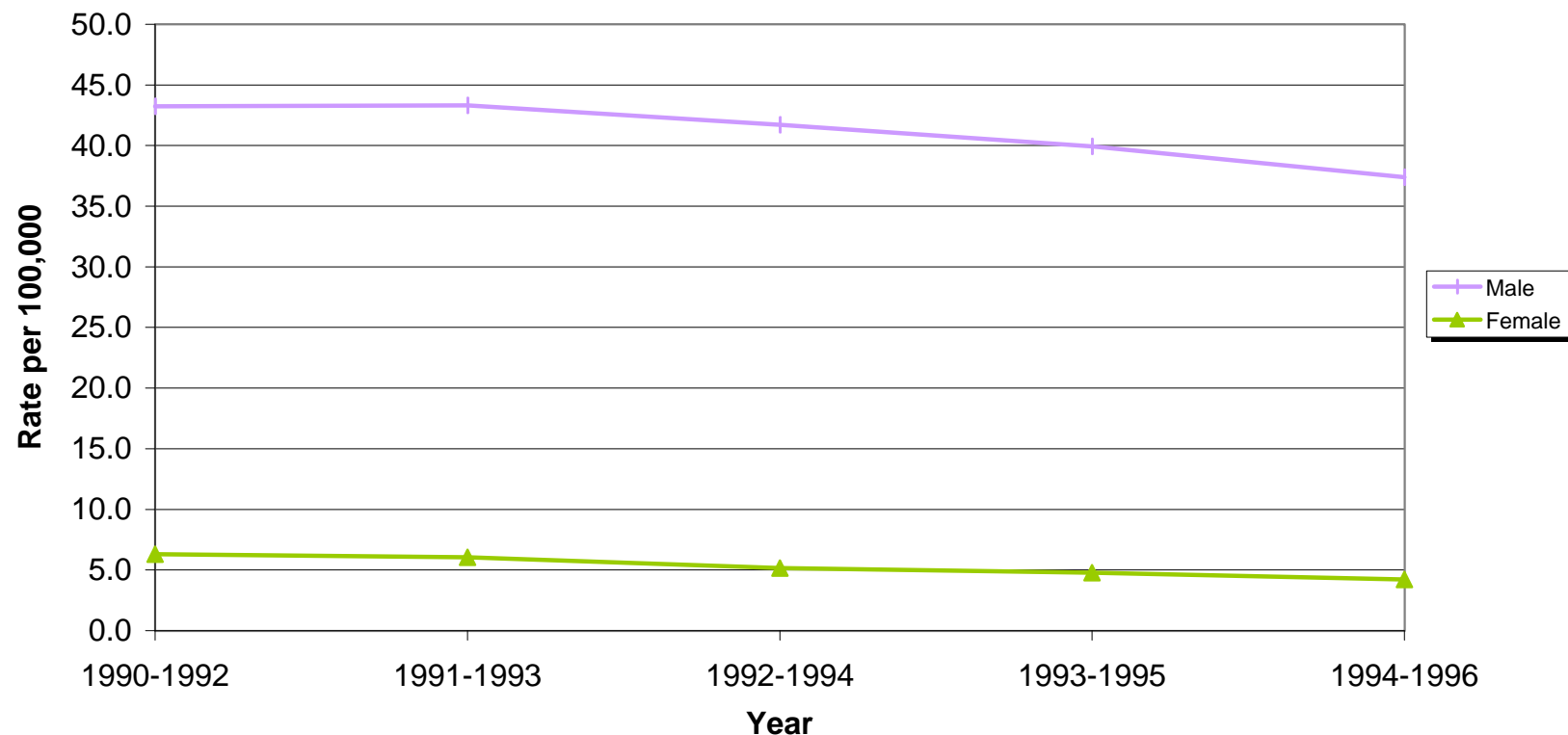
**Note:** 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.

# **Deaths Due to Assaultive Injuries Among Children and Youth Ages 0-24 by Mechanism, 3-Year Average Los Angeles County, 1990 - 1996**



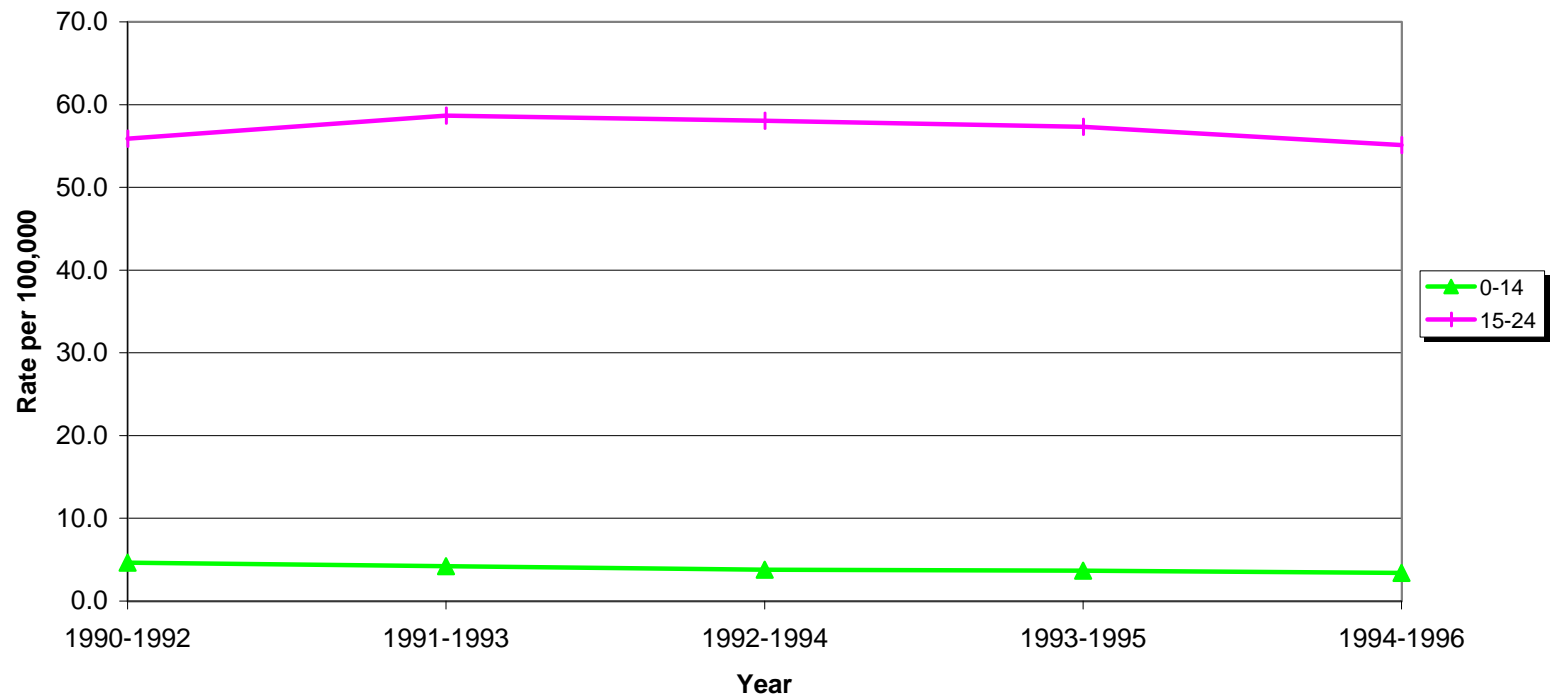
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
 Sources: 1990-1996 death records from the California Department of Health Services,  
 Health Data and Statistics Branch  
 State of California, Department of Finance, 1970-1996 Race/Ethnic  
 Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Homicide for Children and Youth  
Ages 0-24 by Gender, 3-Year Average  
Los Angeles County, 1990 - 1996**



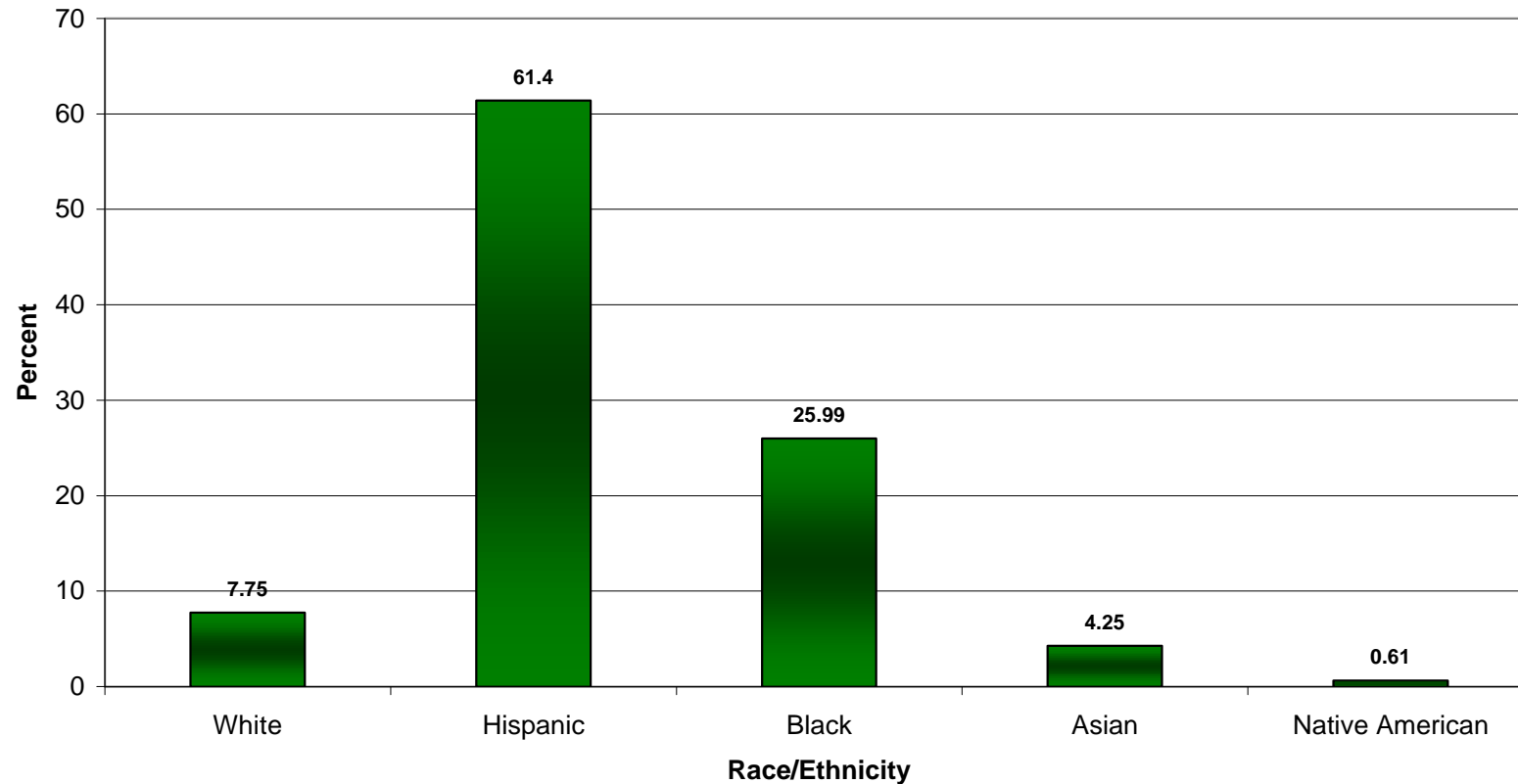
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Homicide Among Children and Youth  
Ages 0-24 by Age Group, 3-Year Average  
Los Angeles County, 1990 - 1996**



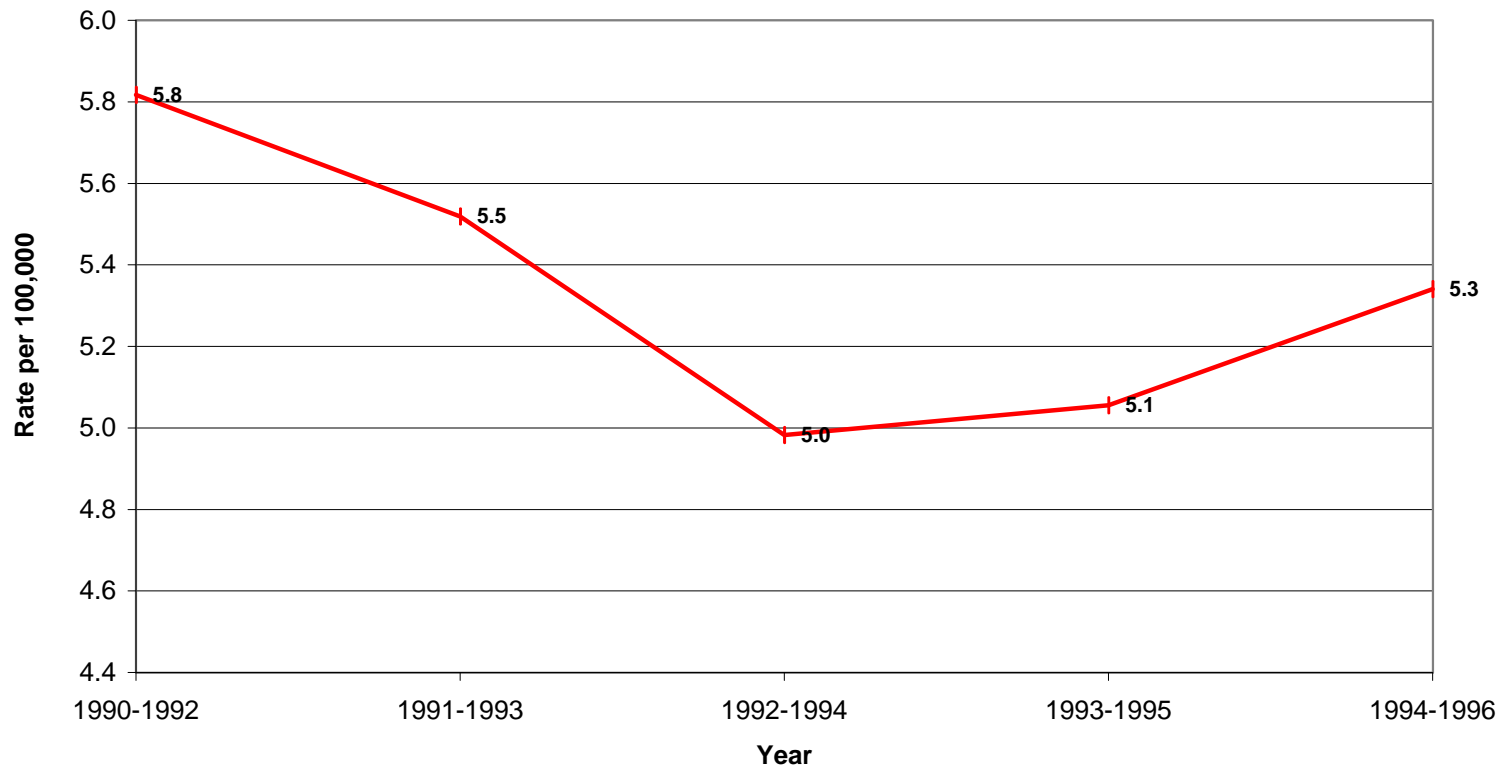
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Homicide for Children and Youth  
Ages 0-24 by Race/Ethnicity  
Los Angeles County, 1996**



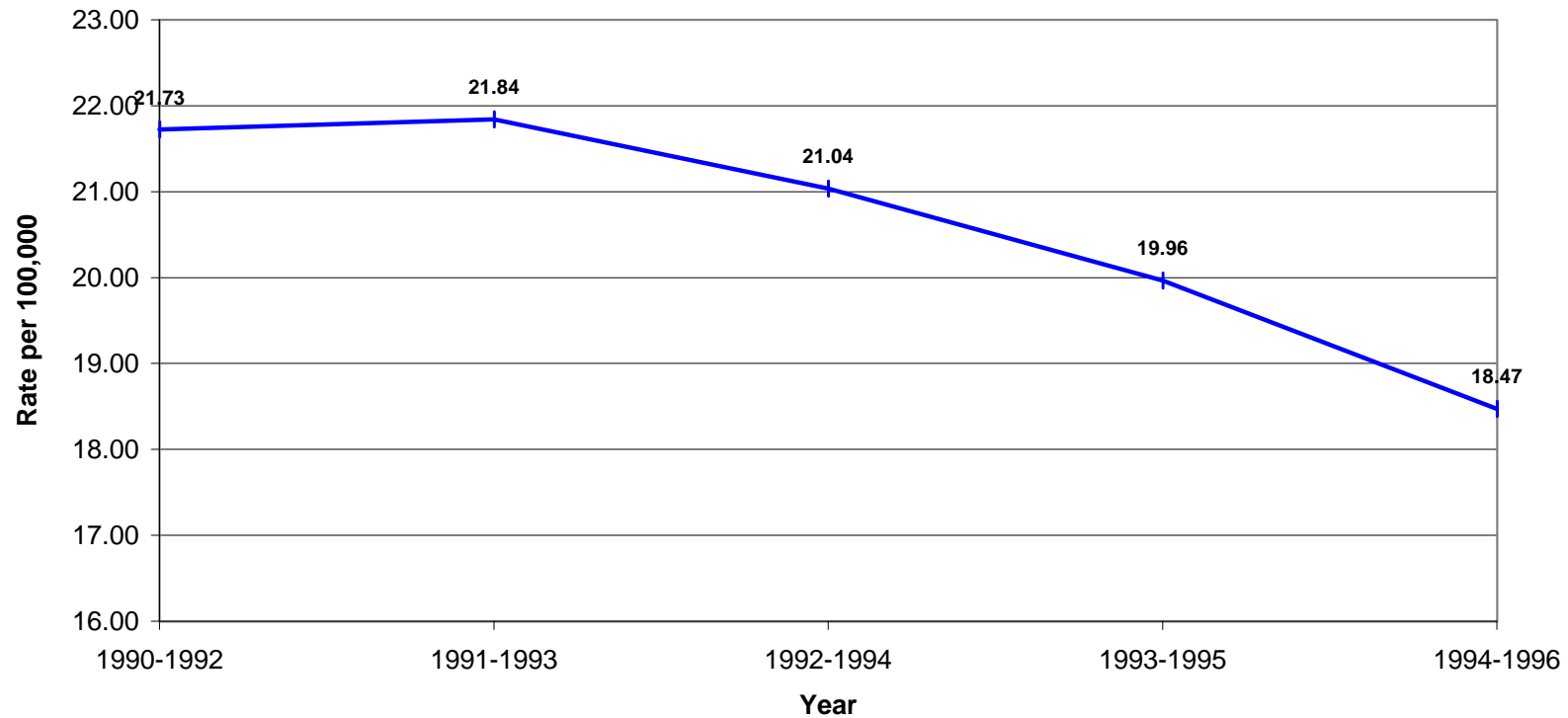
Note: 1996 SDHS death data used is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Homicide Among Children  
Ages 3 and Younger, 3-Year Average  
Los Angeles County, 1990 - 1996**



Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Intentional Firearm Injuries for Children and Youth  
Ages 0-24, 3-Year Average  
Los Angeles County, 1990 - 1996**



Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998



## TITLE V INDICATOR TEMPLATES

<b>INDICATOR:</b>	<b>Deaths due to suicide among children and youth</b>
<b>DEFINITION:</b>	The three year average rate per 100,000 children and youth (ages 0 through 24) of deaths due to suicide (E-Codes 950.0-959.9)
<b>NUMERATOR:</b>	The number of deaths due to suicide among children and youth (ages 0 through 24), by place of residence (three year average)
<b>DENOMINATOR:</b>	The total population ages 0 through 24, by place of residence, for the middle year of the three year time period of interest
<b>HEALTHY PEOPLE 2000 OBJECTIVE:</b>	Reduce suicides to no more than 10.5 per 100,000 people (Objective 7.2) Special population target: Youth aged 15 to 19 (8.2 per 100,000; Objective 7.2a)

### RISK FACTORS:

Mental health disorders (depression, schizophrenia, anti-social personality disorder, panic disorder); substance use/abuse; gender (male); age (youth ages 15-19); race/ethnicity (White, American Indian); previous suicide attempt; inadequate mental health treatment; precipitous or stressful life events; family history of suicide or psychiatric disorders; exposure to suicidal behaviors; family violence; availability of firearms; low income low socioeconomic status/unemployment.

### Deaths due to suicide among children and youth through age 24

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Three Year Average	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1989 - 1991	546	4.8	4.4	5.2	159	4.6	3.9	5.3
1990 - 1992	520	4.5	4.1	4.9	145	4.1	3.5	4.8
1991 - 1993	522	4.4	4.1	4.8	149	4.2	3.5	4.9
1992 - 1994	523	4.4	4.0	4.7	137	3.9	3.2	4.5
1993 - 1995	542	4.5	4.1	4.8	151	4.2	3.6	4.9
1994 - 1996	502	4.1	3.7	4.4	134	3.8	3.2	4.4

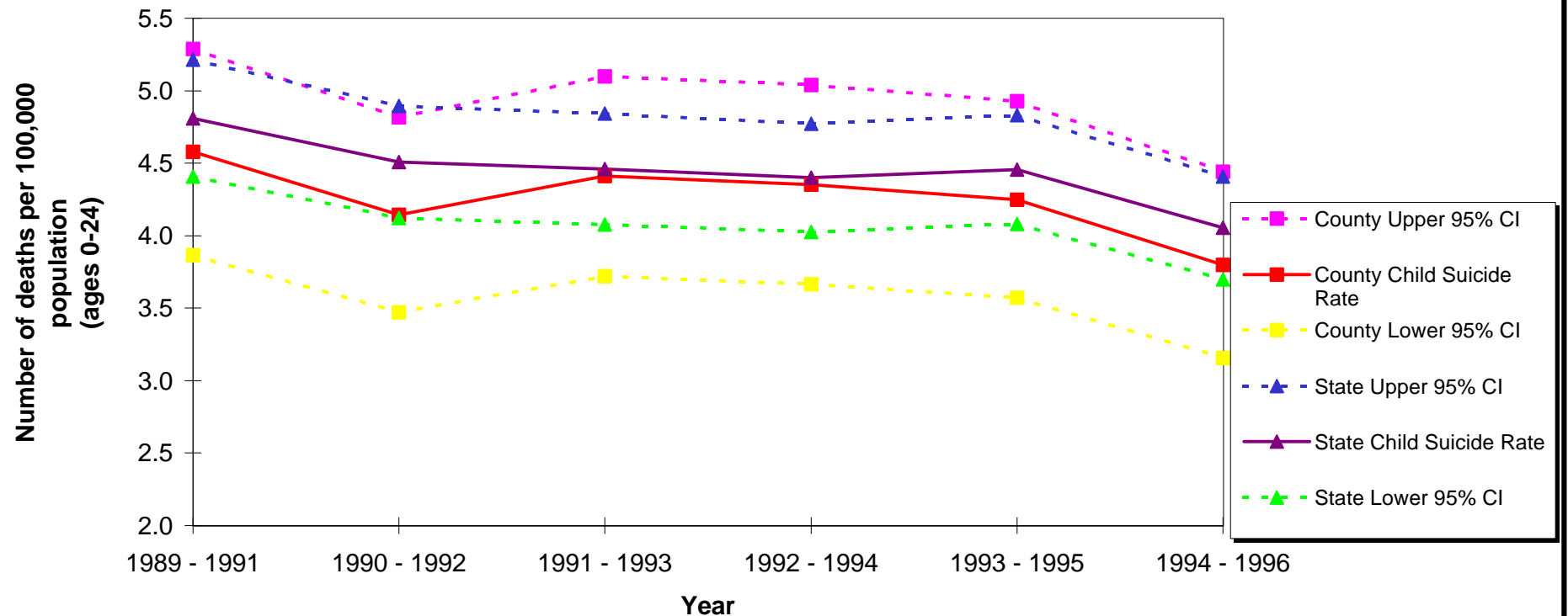
**Sources:** 1989-1996 Death records from the California Department of Health Services, Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates for Counties with Age and Gender Detail, January, 1998

**Note:** 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies

DENOMINATOR: Total population ages 0 through 24		
	State	County
1989	11,175,281	3,293,785
1990	11,351,613	3,472,855
1991	11,541,129	3,507,456
1992	11,750,023	3,552,887
1993	11,956,912	3,544,537
1994	12,159,396	3,546,404
1995	12,377,906	3,529,488
1996	11,971,762	3,518,026

NUMERATOR: Deaths among children and youth through age 24 caused by suicide		
	State	County
1989	567	176
1990	536	142
1991	535	159
1992	490	135
1993	547	176
1994	541	152
1995	537	124
1996	427	126

**Deaths Due to Suicide  
per 100,000 Children and Youth (Ages 0-24 Years)  
California vs. Los Angeles County,  
Three Year Averages: 1989 through 1996**

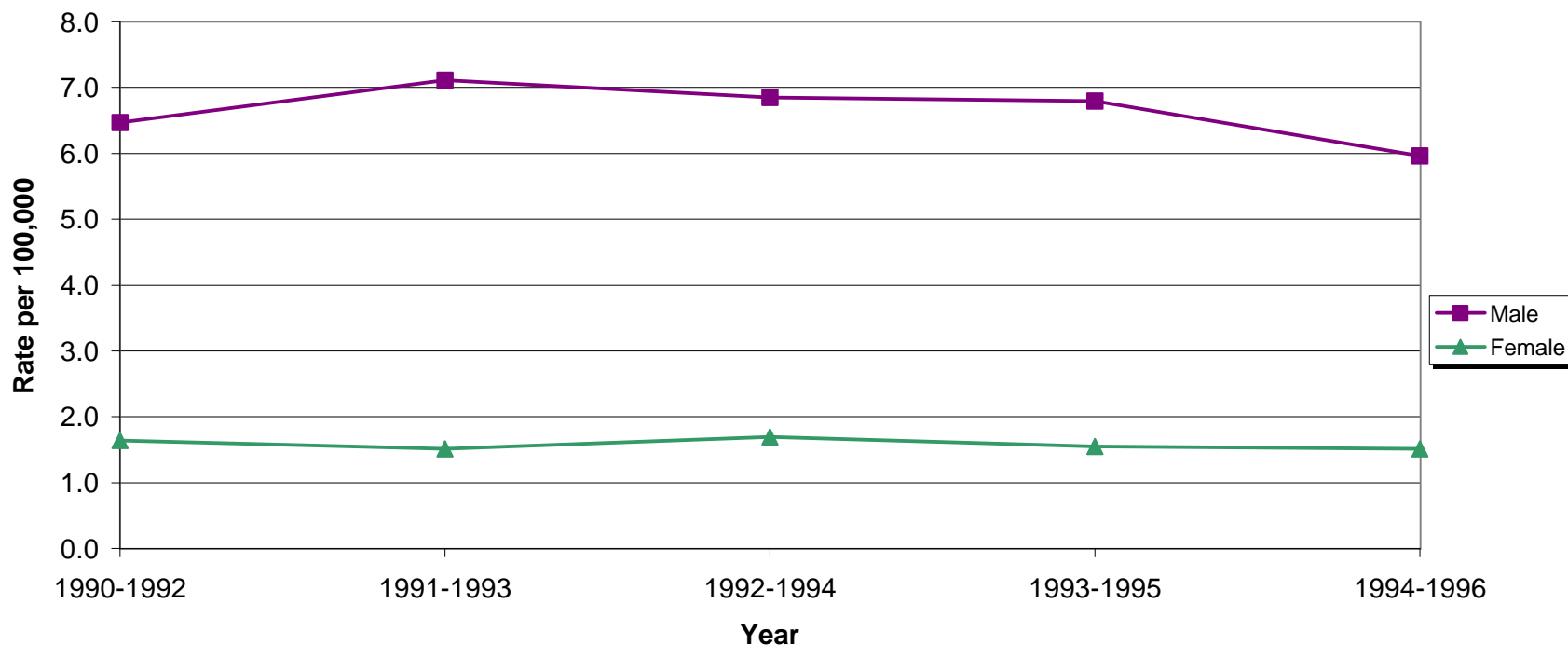


**Sources:** 1989-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch

State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

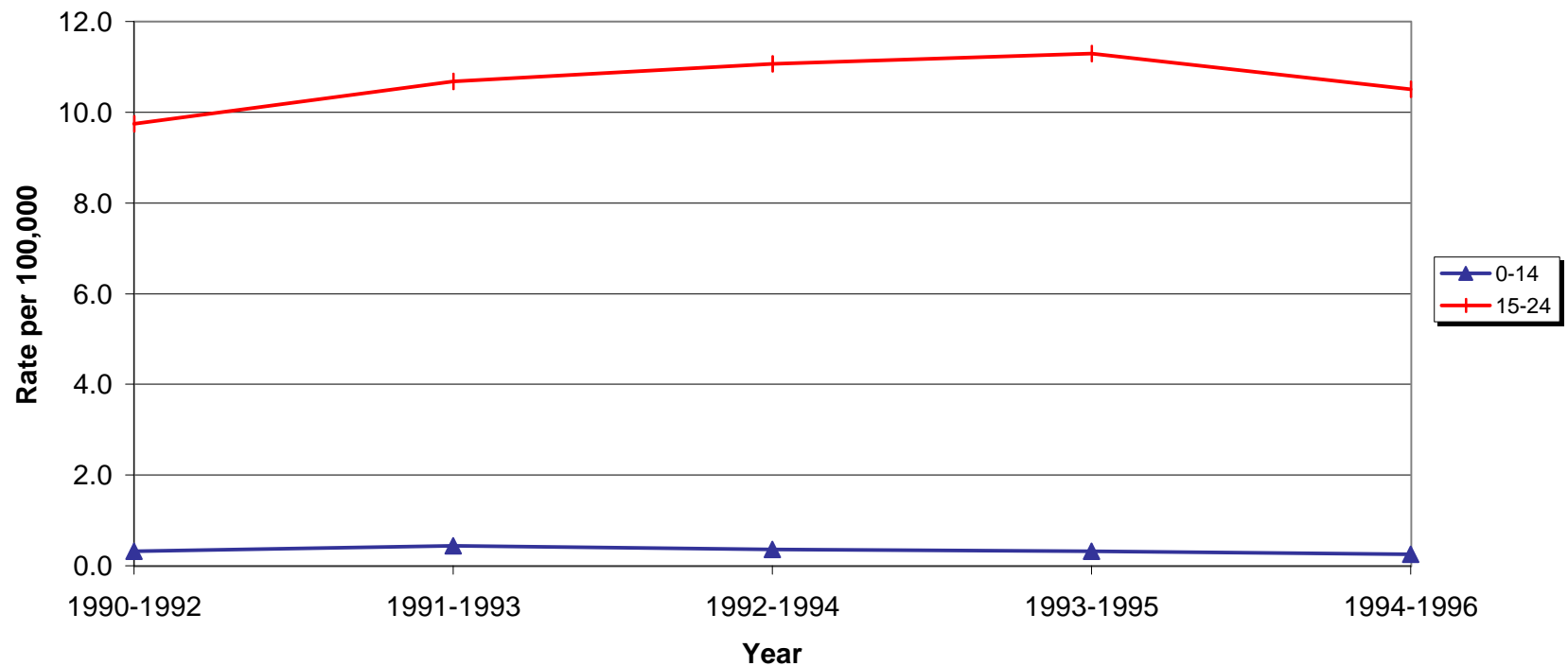
**Note:** 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.

**Deaths Due to Suicide Among Children and Youth Ages 0-24  
by Gender, 3-Year Average  
Los Angeles County, 1990 - 1996**



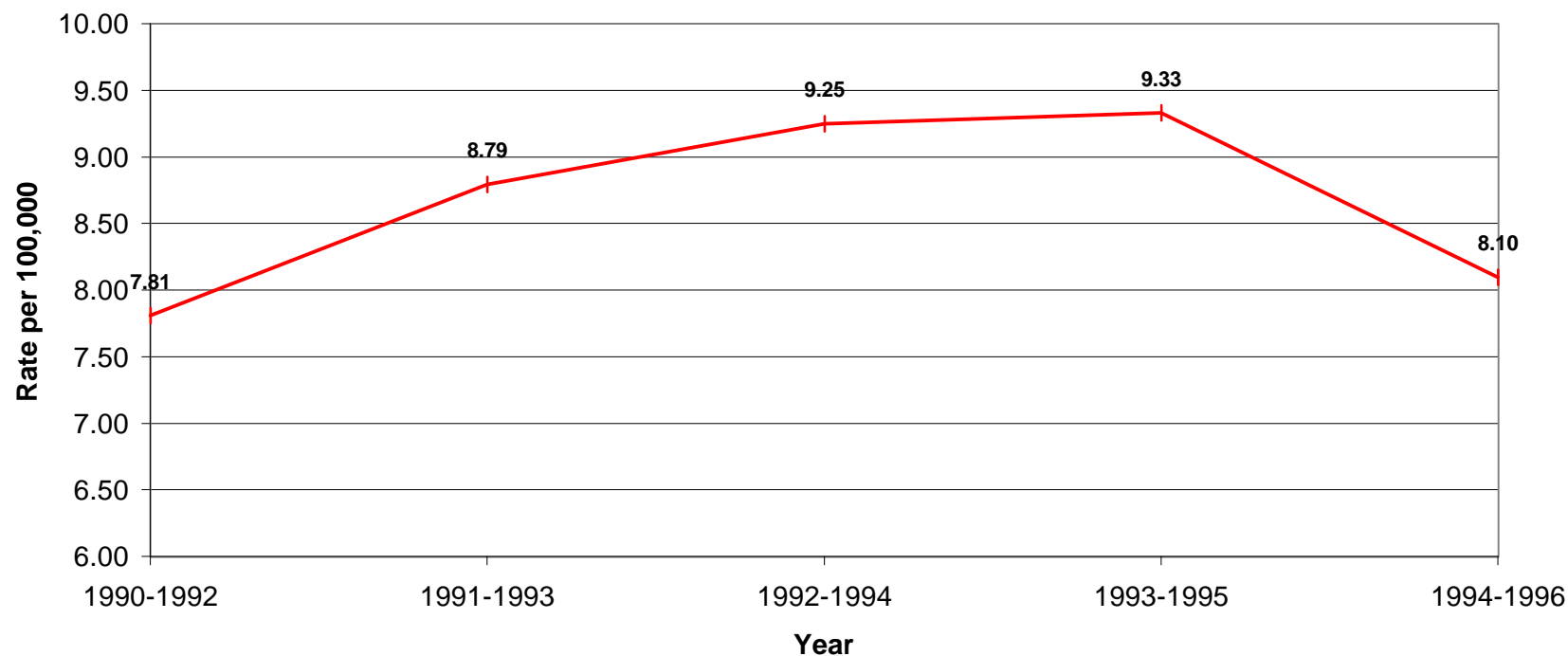
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Suicide Among Children and Youth  
Ages 0-24 by Age Group, 3-Year Average  
Los Angeles County, 1990 - 1996**



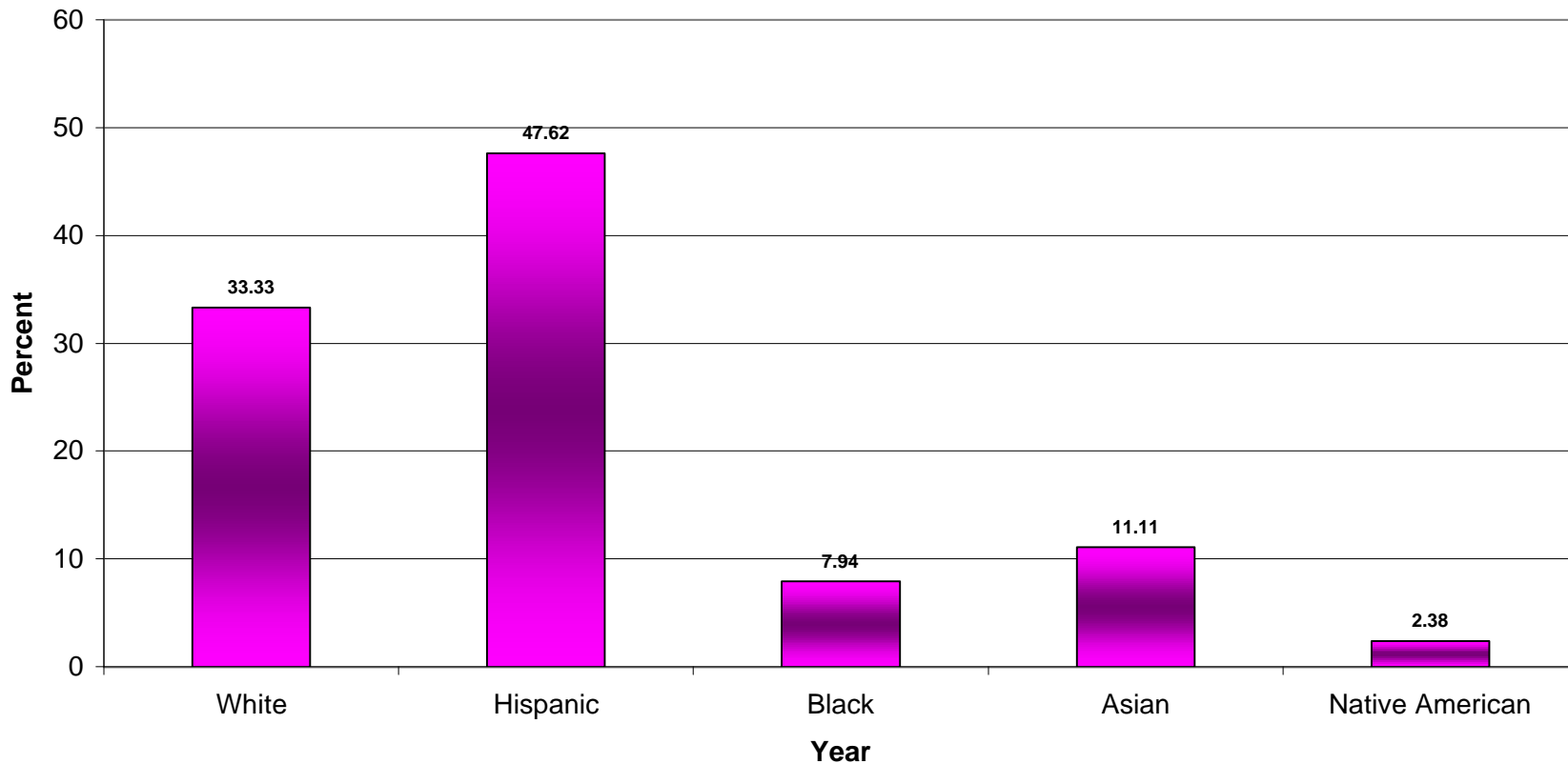
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

### Deaths Due to Suicide Among Youth Ages 15-19, 3-Year Average Los Angeles County, 1990 - 1996



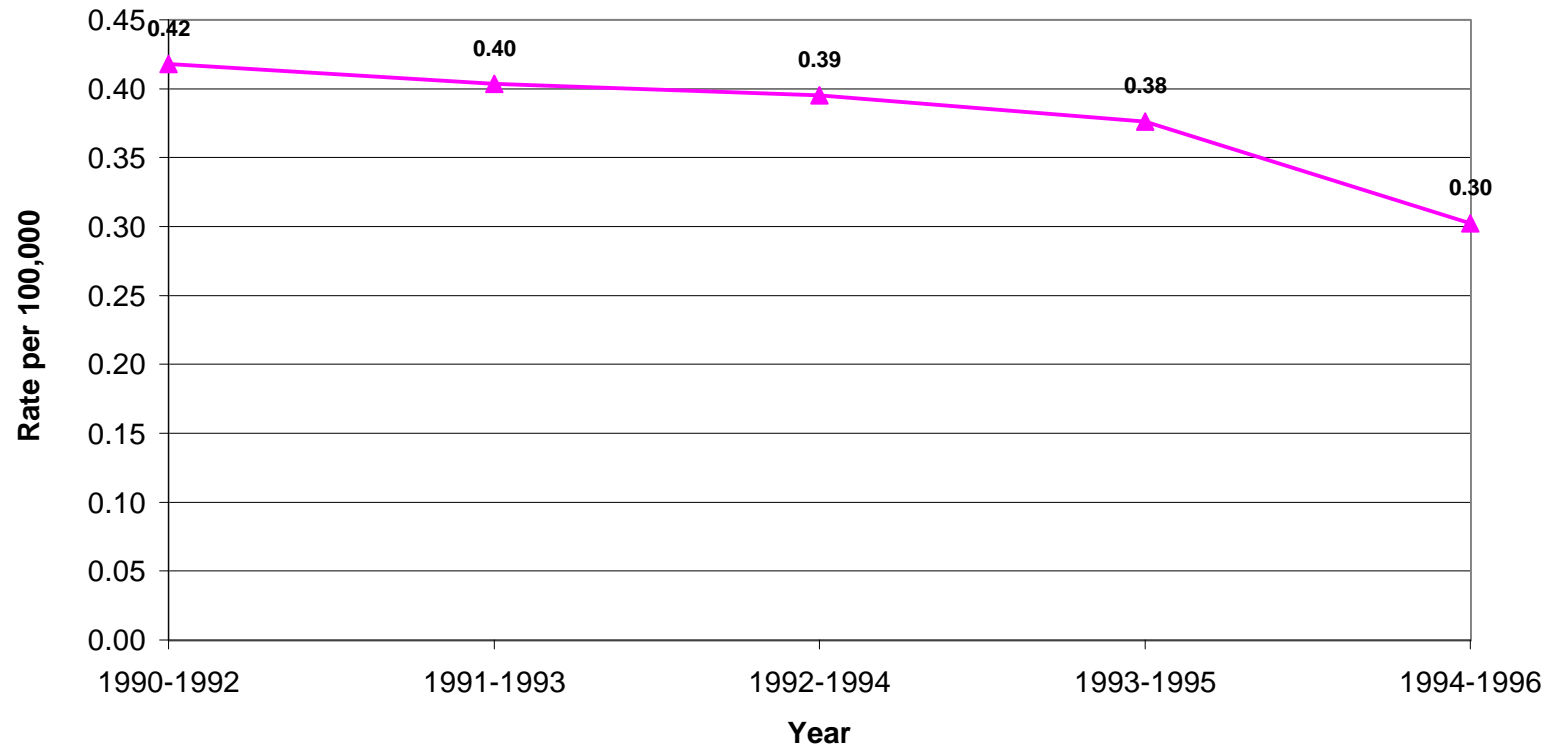
Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Suicide Among Children and Youth  
Ages 0-24 by Race/Ethnicity  
Los Angeles County, 1996**



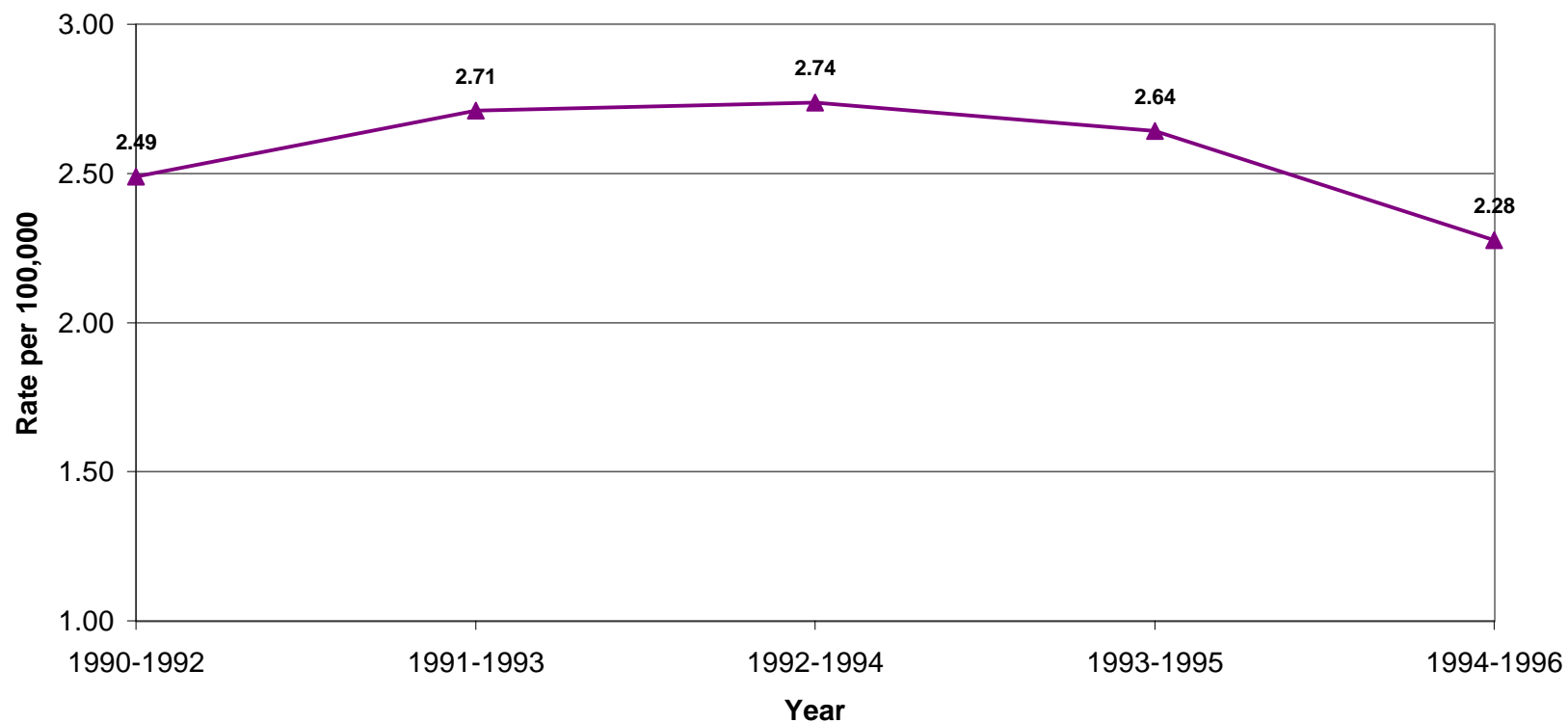
Note: 1996 SDHS death data used is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Self-Inflicted Poisoning Among  
Children and Youth Ages 0-24, 3-Year Average  
Los Angeles, 1990 - 1996**



Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998

**Deaths Due to Self-Inflicted Firearm Injuries  
for Children and Youth Ages 0-24, 3-Year Average  
Los Angeles County, 1990 - 1996**



Note: 1996 SDHS death data used in calculation of injury mortality rate is provisional pending resolution of discrepancies.  
Sources: 1990-1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch  
State of California, Department of Finance, 1970-1996 Race/Ethnic  
Population Estimates for Counties with Age and Gender Detail, January, 1998



# **Domestic Violence**

**FAMILY HEALTH OUTCOMES PROJECT  
DOMESTIC VIOLENCE TEMPLATES**

**INDICATOR:** \*Deaths due to assaultive injuries (homicide)  
among adolescent and adult females

**DEFINITION:** The three year average rate per 100,000 females (ages 10-44)  
of deaths due to homicide (E-Codes 960.0-969.9)

**NUMERATOR:** The number of deaths due to homicide among females  
(ages 10-44), by place of residence (three year average)

**DENOMINATOR:** The total female population ages 10 through 44  
for the middle year of the three year time period of interest

**HEALTHY PEOPLE 2000 OBJECTIVE:**

Reduce homicides to no more than 7.2 per 100,000 people  
(Objective 7.1)

**RISK FACTORS:** History of abuse (victim of spousal/intimates, or child abuse)  
easy access to firearms; presence of firearms at home.

**Deaths due to homicide among females ages 10 through 44 years**

	California				County			
			95% Confidence Interval				95% Confidence Interval	
Three Year Average	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990-1992	490	5.9	5.4	6.4	209	8.3	7.2	9.4
1991-1993	511	6.0	5.5	6.5	214	8.5	7.4	9.7
1992-1994	243	2.9	2.5	3.3	191	7.7	6.6	8.8
1993-1995	174	2.0	1.7	2.3	174	7.0	6.0	8.1

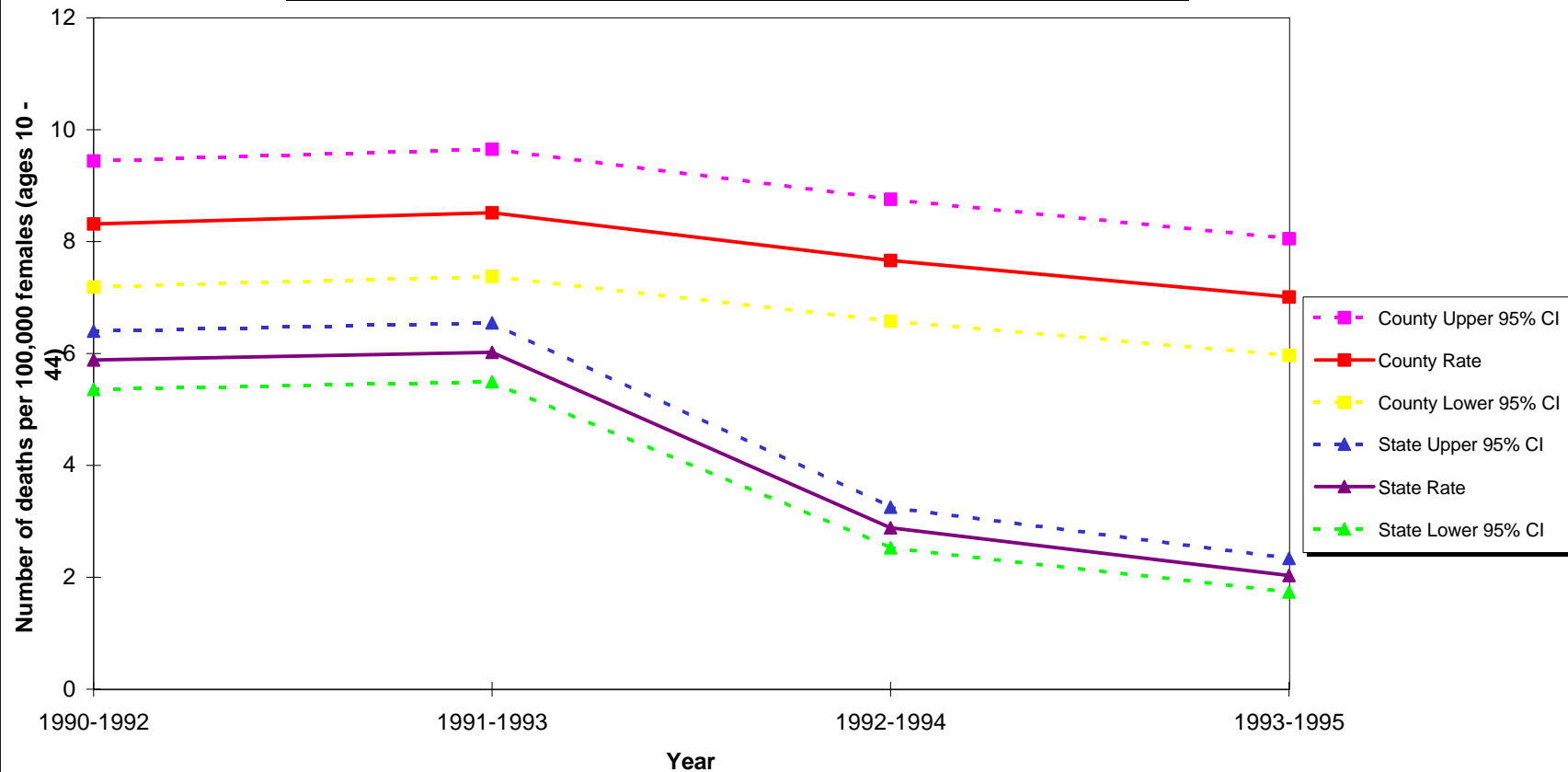
**Sources:** 1990 - 1996 death records from the California Department of Health Services,  
Health Data and Statistics Branch

Denominator Data -- State of California, Department of Finance, 1970-1996  
Race/Ethnic Population Estimates for Counties with Age and Gender Details,  
January, 1998

**Note:** \*Because there is no domestic violence-specific external cause of injury (E-Code)  
in the current International Classification of Diseases, 9th Revision (ICD-9)  
clinical modification coding, the numerator in this template reflects deaths  
due to all types of assaults (E960-E969.9).

DENOMINATOR: Total females ages 10-44			NUMERATOR: homicides to females ages 10-44		
	State	County		State	County
1990	8,196,052	2,492,010	1990	477	208
1991	8,328,918	2,510,040	1991	514	211
1992	8,481,134	2,516,916	1992	479	207
1993	8,411,502	2,495,601	1993	539	225
1994	8,553,415	2,482,258	1994	408	142
1995	8,637,871	2,461,412	1995	429	155

**Deaths Due to Homicides  
per 100,000 Adolescent and Adult Females (Ages 10 - 44 Years)  
California vs. Los Angeles County,  
Three-Year Averages 1990 Through 1995**



**Sources:** 1990 - 1996 death records from the California Department of Health Services, Health Data and Statistics Branch  
Denominator Data -- State of California, Department of Finance, 1970-1996, Race/Ethnic Population Estimates for Counties with Age and Gender Details, January, 1998

**Note:** Because there is no domestic violence-specific external cause of injury (E-Code) in the current International Classification of Diseases, 9th Revision (ICD9) clinical modification coding, the numerator in this template reflects deaths due to all types of assaults (E960-E969.9).



**LACDHS**

**Family Health Programs**

**MCAH**

**Assessment and  
Planning**

Unless otherwise cited, data provided by:  
California Department of Health Services, Center for Health Statistics  
Office of Statewide Health Planning and Development

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Produced by: MCAH Assessment & Planning Unit (MAP)  
Family Health Programs  
Public Health Programs & Services  
Los Angeles County, Department of Health Services

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